



Case Study: FDA & PATHS-UP



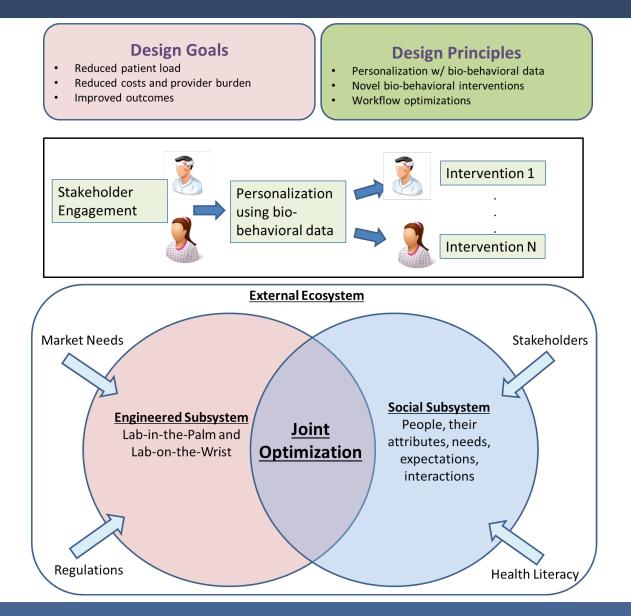
Chris Finberg Innovation Director

Engineering Systems of PATHS-UP PATHS-U **POC Devices for CVD & Diabetes in Underserved Populations** UCLA **RICE** FIU TEXAS A&M Two Engineering Systems Lab-in-your-Palm Lab-on-a-Wrist **Continuous & Periodic Monitoring Emergency & Intervening Monitoring** Type 1 Diabetes – Insulin Dependent Heart Attack or Myocardial Infarction (MI) Type 2 Diabetes – Insulin Resistance Heart Failure (HF) Hypertension, PAD Gestational Diabetes Mellitus (GDM)



Digital Healthcare Sociotechnical Systems View





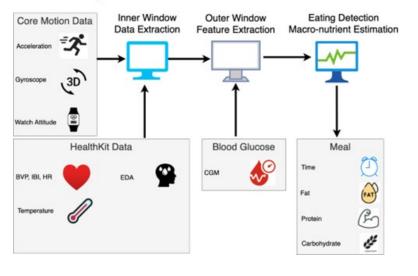


Center's Key Digital Health Projects

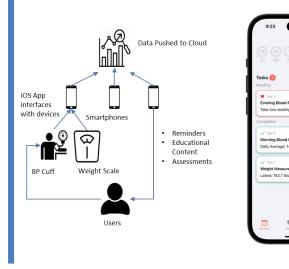
PRATHS-UP Precise Advanced Technologies and Health Systems for Undersarved Papulators

DIGITAL TOOLS FOR DIABETES MANGEMENT

Eating Detection & Macro-nutrient Estimation Model

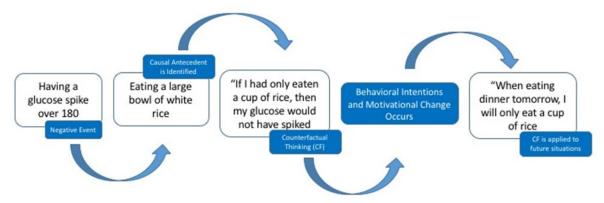


DIGITAL COACHING FOR HYPERTENSION – ENDORSED BY AMERICAN HEART ASSOCIATION

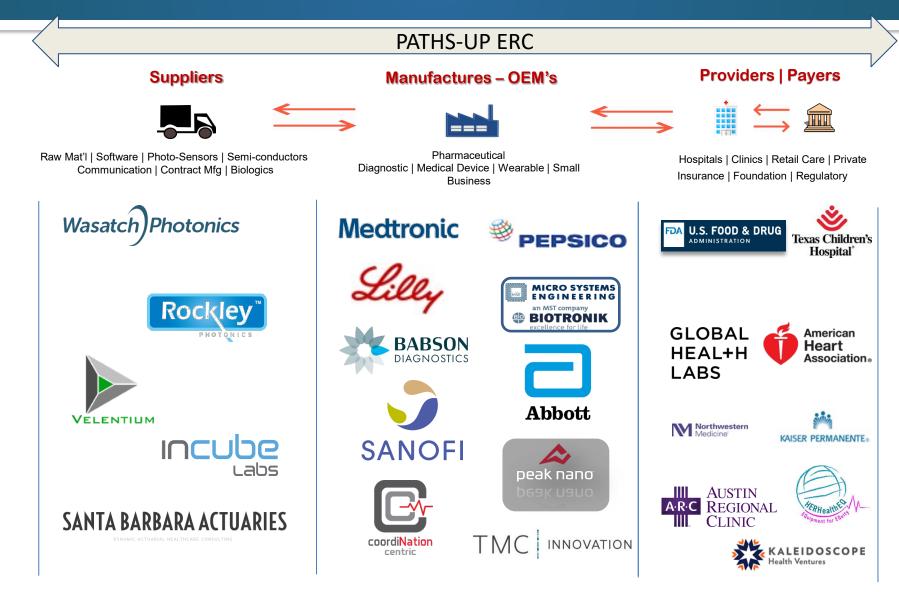




COUNTERFACTUAL INTERVENTIONS - BEHAVORIAL MODIFICATIONS



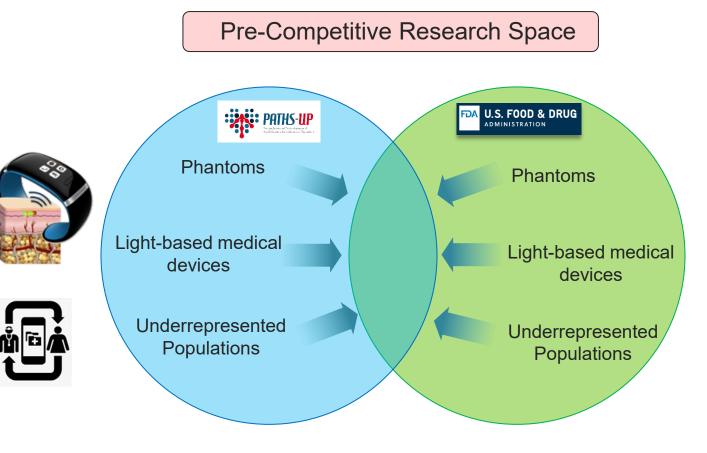
PATHS -UP – Members' Position in Value Chain











Problems, Needs, Gaps

<u>Stakeholder</u>

<u>Societal</u>

Precise Advanced Technologies and Health Systems for Underserved Populations