health IMPACTS: A UF-FSU Collaboration, Integrating Medical Practice and Community-Based Translational Science

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UF-FSU Grant Support

health IMPACTS for Florida

• The UF CTSI is supported in part by NIH awards (CTSA):
  – UL1 RR029890, KL2 RR029888 and TL1 RR029889
• The collaborative is supported in part by the New Florida Clustering Grants Program Award Program (State of Florida)
health IMPACTS: The Partnership

• The UF Clinical and Translational Science Institute – NIH funded
  – Collaboration with 26 UF colleges
  – Unique programs to support clinical and translational science
    • Examples: Imaging, Biobehavioral, Metabolomics Programs
    • Research Design and Analysis Program
    • Biomedical Informatics
    • Community Engagement and Research Program
health IMPACTS: The Partnership

- The UF Clinical and Translational Science Institute – NIH funded
  - Community Engagement and Research Program
    - Provides infrastructure for community-based research
    - Partnerships include Florida Medicaid, Federally Qualified Health Centers
    - Two Practice-Based Research Networks in Jacksonville
  - But no Statewide PBRN
• Years 3-4 of Med School
• >2,000 Community Faculty
• 64 Affiliated Institutions

• Outstanding Education Outcomes (10 years of data)
• Loyal Community Faculty (86% 10-year retention rate)
FSUCoM TLH Research

- >2,000 Community Faculty
- 64 Affiliated Institutions

THE FLORIDA STATE UNIVERSITY
COLLEGE OF MEDICINE
Clinical Research Network

Improving the health of Floridians through translational science
FSU Clinical Research Network Concept

1. Translation to practice
2. Studies at the practice level
3. Biorepository
4. **Partnerships**
health IMPACTS Partnership: Promoting Infrastructure Development

Designed to connect local communities with teams of clinical scientists, physicians and physicians-in-training.

Goals:
• Test interventions in physician practices
• Translate research findings into quality health care
• Mentor medical students and trainees in conducting research and implementing findings in practice.
Steering Committee
Co-Chairs: Dave Nelson, MD & Myra Hurt, PhD
Committee Members:
Mike Muszynski, MD, FSU Assoc Dean Clinical Research
Ricardo Gonzalez-Rothi, MD, Chair, FSU Clinical Sciences
Mike Conlon, PhD UF/CTSI
Betsy Shenkman, PhD UF CTSI Community Engagement (CE)

Scientific Review Committee
Co-Chairs: one MD/One PhD
Membership: Core Membership of 4 faculty members 2 from FSU, 2 from UF; with Ad Hoc Reviewers as Needed and staffers by health IMPACTS Coordinators

Project PIs and Project-Specific Research Staff
(Includes Project Research Coordinators)

Research Development and Project Support
Co-Directors
FSU (from FSU CRN)
UF CTSI CE for health IMPACTS studies

Network Communication From CRN and CTSI for health IMPACTS studies
Regulatory Monitoring and Compliance
CRN Associates and Community Research Associates

Information Systems Support
DB Development and Portal Maintenance for Health IMPACTS studies

FSU Clinical Research Network
UF Clinical and Translational Science Institute

THE FLORIDA STATE UNIVERSITY
COLLEGE OF MEDICINE
Clinical Research Network

IMPROVING THE HEALTH OF FLORIDA RESIDENTS THROUGH TRANSLATIONAL SCIENCE
Promoting Infrastructure Development

health IMPACTS

Two Pilot Projects – chosen using bidirectional process

- Concussion-Traumatic Brain Injury Management
- Health Risk Assessment in Primary Care

Participants (6 IRBs)
- 24 Practices
- Duval County Health Department
- Bond Clinic
Promoting Infrastructure Development

• Recruitment of practices
• Development of health IMPACTS webportal to monitor studies
• Custom software development for
  – Concussion and
  – Health Risk Assessment
• Use of iPad technology
• Software has been adapted for other studies
Collaboration with OHSU CTSA:
Collaboration Management Software

Allows for provider & investigator training, plus CME and MOC credit activities
• Provider & Adolescent Screens
• Collecting health information to provide health resources to teens
• Building trust with network collaborators & infrastructure

Bidirectional process with teens to modify the Guidelines for Adolescent Preventative Services (GAPS) tool & to develop assessment strategies

• Links geocoded to adolescent address
• Info can be texted or emailed
• Can be used for billing
Health Risk Assessment

• Implemented in UF sites in February 2012
  – 176 adolescents screened
  – 100 in a comparison group
  – 95 completed follow-up surveys with adolescents about their experiences during the primary care visit
• Orlando sites began June 2012
• Tallahassee sites in July 2012
Health Risk Assessment

• Providers can opt for full Guidelines for Adolescent Preventative Services (GAPS) tool
  or
• Shorter version of GAPS tool for development
  – Depression screening
  – Alcohol use
• Pilot work for future grant funding
Concussion Project

- 19 practitioners trained in office-based concussion assessment (SCAT-2)
- 87 adolescents screened in 3 communities
- Practice-based and “roundup” screenings scheduled for July-August (n ≈ 1000)
- Obtained pilot funding for concussion education intervention study with local sports teams via Health Street
FSU CoM
Clinical Research Network

• Study re: prenatal depression screening and management

• Obstetric patients:
  – 24 affiliated FSU centers at 6 regional campuses in 14 counties.
    • 46,686 live births (2009)
    • 46,363 live births (2010)
Lessons Learned

• Build in time to develop trust and collaboration for all of those involved in the network: Steering Committee → Coordinators → Leaders in Practices → the Practices

• Ongoing communication to identify improvements in implementing and monitoring protocols

• Importance of developing sound strategies for communication with the practices
  – Physician-to-physician, Identified practice leadership for individual studies
  – Defined processes, Offer value, Ask for feedback (focus groups)
Lessons Learned

• Institutional issues
  – Hospital-owned practices
  – Large corporate practices

• Multiple MUOs, additional affiliate agreements, and IRBs
  – Each with its own multiple layers of administrative structure and requirements

• Carefully thought out, labor-intensive, politically-skilled top → down approaches needed early on

• A PBRN can be developed on the framework of a distributed, community-based med school model
health IMPACTS Next Steps

• Translate pilot projects into new grant applications
• Identify new projects
• Expand to additional regional campuses
• Continue to refine collaborative model
• Synergies discovered between institutions
• The health IMPACTS Virtual IRB