Chattanooga Area

Demographics

- Population: 172,000
- Age 55+: 24.48%
- Racial/Ethnic Identity
  - White: 58%
  - Black: 35%

SES/CHF Morbidity

<table>
<thead>
<tr>
<th></th>
<th>Hamilton</th>
<th>TN</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High school</td>
<td>64.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Some college</td>
<td>88%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>70% some college</td>
<td>78%</td>
<td></td>
<td></td>
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<tr>
<td>Uninsured</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Hospitalizations (100,000 discharges)</td>
<td>113.5</td>
<td>29.3</td>
<td></td>
</tr>
<tr>
<td>Poor health</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Limited access to healthy foods</td>
<td>12%</td>
<td>6%</td>
<td>9%</td>
</tr>
<tr>
<td>CHF</td>
<td>4.64%</td>
<td>5%</td>
<td></td>
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</tbody>
</table>
Project Description

INTERPROFESSIONAL COLLABORATIVE PRACTICE -

Approach for Geriatric Education Strategies
Holding hands through the ages

Project Description

- Practice
- Education
- Team

IPCP Team

Carolyn Schreeder
Project Director

Candace Bishop
Faculty Coordinator

Nikcole Hayes
Project Manager

Elizabeth Smith
Nurse Practitioner

Christopher Silver
Instructional Technology Coordinator

Mukta Panda, MD
UTC COM

Christopher Cunningham
Evaluator

Diedri White
Dietetics

Stephanie West
Project Coordinator

Christopher Cunningham
Evaluator

Project Goals

<table>
<thead>
<tr>
<th>Goal 1</th>
<th>Goal 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>To cultivate and sustain 9 interprofessional practice sites or environments in which emergent nurse leaders have an opportunity to demonstrate leadership in interprofessional team building, collaborative problem solving and care coordination.</td>
<td>Improve the preparation of nurses and an interprofessional health trainee peer group with skills and experiences to practice in interprofessional collaborative practice environments.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Goal 3</th>
<th>Goal 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improve primary geriatric care in diverse, community-based settings via interprofessional experiential learning activities.</td>
<td>Increase regional implementation of IPCP models and strategies to strengthen nursing and health professions training via implementation, refinement, outreach, and dissemination of evidence-based practices.</td>
</tr>
</tbody>
</table>
Accomplishments
- Established interprofessional teams
- Educated faculty/healthcare providers on IPCP
- Established 9 house call sites
  - UTC/organizational IRB approval
  - Developed relationships with site providers
- Community Outreach and Education
  - Health fairs, seminars, workshops, lectures, summit

Community/Education Outreach
- Health Fairs
- Regional Aging Coalition
- Community Safety Event (Lowe’s)
- Summit with National speaker
- Simulations
- Interprofessional Education

House Calls
- Patient Mix
- Types of Diagnosis
- Referrals Origination
- Underinsured vs un-insured
Evaluation Tools: Goal 1

Opportunities
• Quantification/qualification of practice experiences and opportunities within the community (e.g., health fairs, simulation experiences, special workshops)

Shared Leadership
• Attitudes toward Team Value, Team Efficiency, and Shared Leadership (Hyer et al., 2000)

Collaborative problem solving
• Team collaboration items from AITCS (Orchard, King, Khaili, & Bezzina, 2012)

Coordination
• Team coordination items from AITCS (Orchard, King, Khaili, & Bezzina, 2012)
• Team/group cohesiveness (PACE/Temkin-Greener, Gross, Kunitz, & Muhamel, 2004; adapted from Quoidbach & Hansenne, 2009)
• Team Collective Efficacy (adapted from Riggs, Warka, Babasa, Belancourt, & Hooker, 1994)

Evaluation Tools: Goals 2 & 4

Attitudes toward inter-professional care
• Perceptions of attitudes toward team value, team efficiency, shared leadership (Hyer et al., 2000)
• TeamSTEPPS Teamwork Attitudes Questionnaire

Inter-professional team-related competencies
• Team coordination (AITCS/Orchard et al., 2012)
• Team communication (PACE/Temkin-Greener et al., 2004)
• Team collaboration (AITCS/Orchard et al., 2012)
• Team effectiveness (cf., Lemieux-Charles et al., 2002)

Evaluation Tools: Goal 3

Improvements in primary geriatric care
• Team observations of patient symptoms, challenges
• Medicine compliance/reconciliation
• Self-reported indications of Quality of Life and General health

Interprofessional experiential learning activities
• Quantification and qualification of practice experiences and opportunities within the community (e.g., health fairs, simulation experiences, special workshops)

Patient experiences with interprofessional care
• Patient reactions to House Call visit (Panda et al., 2016)
• Perceived communication of healthcare professionals (adapted from CAMPS/2.0/Hargraves et al., 2003)
• HCAHPS Clinician & Group Survey items regarding providers caring/inspiring trust and being polite and considerate
Evaluation: Data Sources

- Patients and caregivers

Evaluation: Data Sources

- Patients and caregivers

Evaluation of Student Reactions

- End-of-semester evaluations are conducted every academic semester with all study participants
- Aside from quantitative data pertaining to IP competencies and attitudes, rich qualitative data is also gathered in these assessments
- Data from the first follow-up round of these evaluations (Fall 2013) and subsequent follow-up rounds (Spring and Fall 2014) were thematically coded and analyzed to provide an initial glimpse into student reactions to their IP experiences
In your interactions with your team members, what are examples of ineffective behaviors that you have observed?

- Disrespect of Others: 10%
- Poor Communication: 9%
- Ineffective Listening: 15%
- Not Helping Others: 3%
- Inability to work in a Team: 8%
- Impatience: 5%
- Lack of Professionalism: 1%

N = 430

What advantages do you see for patients served by an interprofessional healthcare team?

- Better Outcomes: 82%
- More informed: 10%
- Cost Effective: 1%
- Feeling of importance: 2%

N = 370

What do you think could be done to minimize the impact of ineffective team behaviors in the future?

- Training/Continuing education: 45%
- Proper Fit of Team Members: 18%
- Organizational Support: 18%
- Effective Communication: 6%
- Setting Clear Expectations: 10%
- Other: 2%

N = 384
Challenges (Opportunities?)

- IRBs
- Establishing sites
- Buy-in
  - Partner
  - Faculty
- Patient/student recruitment and selection
- Coordination of team schedules

Questions?