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**The webinar will begin shortly.**

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**Slides for today's webinar are  
available on the CIHS website at:**

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**Bridging the Inpatient/Outpatient  
Divide: Improving Transitions of Care  
to Reduce Hospital Readmissions**

March 19, 2015

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## Today's Purpose

- understand issues related to avoidable hospital readmissions and the extent to which they affect health outcomes and health care costs
- recognize inpatient-outpatient care transition models that promote collaboration and reduce avoidable hospital readmissions and use of emergency department resources
- identify the major components of transition programs to determine the potential for implementation.

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## Today's Speakers

Jason Martin, LCPC, CPRP, Family Services, Inc.

Harold A. Pincus, MD, Columbia University

Sarah M. Steverman, PhD, MSW, CIHS Consultant

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**Poll Question: How do you identify your role in primary care/behavioral health integration?**

- Primary Care Provider/Administrator
- Behavioral Health Provider/Administrator
- Inpatient Provider/Administrator
- Policy Maker
- Other Stakeholder



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**Poll Question: For those participants who are providers or administrators of clinical programs, are you:**

- A Primary Care Organization
- A Mental Health or Addictions Organization
- Part of an Accountable Care Organization
- Part of a hospital-based system
- Other



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**Connecting Hospitals and Community Providers**

**Jason Martin, LCPC, CPRP**  
Director of Carelink Transitions and OnTrack Maryland, Family Services, Inc.




Thomas E. Harr, CEO

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### Carelink Transitions: The Community We Serve

Family Services is located in Montgomery County and Prince Georges County MD

- Multiple locations in each jurisdiction
- Suburban Washington DC
- Culturally diverse
- Economically diverse

Large Social Service agency

- Part of Sheppard Pratt Health System
- Served over 25,000 people in 2014
- 400+ Staff operating 33 distinct programs

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### Carelink Transitions: FSI's Solution

- FSI was approached by Washington Adventist Hospital (WAH) in 2011
  - WAH had a history of a high 30 day readmission rates
  - Wanted community partner to help develop solution
- The hospital's request:
  1. Connect the client to community resources
  2. Implement the discharge plan
  3. Reduce or eliminate avoidable readmissions
- CareLink Solution – 30 day intensive case management

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### Community Based Behavioral Health Providers: Our Role

- Expertise in working with behavioral health population
- Experience in providing community based case management
- Ability to make home visits
- Connections to community resources and providers
- Integrated health services

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## Carelink Transitions: Implementation

"Home Grown Effort"

- Started very small with one nurse providing support
- Worked with WAH to achieve desired metrics
  - Reduce readmissions and connect clients to community resources

Started initially with complicated Behavioral Health clients, moved to clients of all diagnoses quickly

Finances

- Started at \$650 a month paid by WAH, increased over time to current rate at \$1200 a month
- Paid one time for 30 days of service with extensions possible on case by case basis

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## Carelink Transitions: How It Works

- Hospital identifies a high risk, likely to re-admit patient
- CareLink Transitions meets with patient in the hospital, completing a "warm handoff"
- Nurse Care Manager and Entitlements Care Manager work with the patient for 30 days
- Utilize the Coleman Model for care transitions

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## The "Warm Handoff"

- Rapport building and engagement
- Verification of current address
- Provision of "TracFone" to patient if no working number identified
- Needs assessment completion in the hospital
- Collaboration with referring social worker

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### Carelink Transitions: Integration At Its Core

A Carelink team consists of:

1. Licensed Practical Nurse
2. Entitlements Coordinator
3. Clinical Manager (.5 FTE)
4. Hospital liaison (.5 FTE)
5. Data manager (.2 FTE)

\*We speak English, Spanish, French and Swahili

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### What Our Nurses Do In 30 Days

- Transportation for follow up appointments
- Appointment scheduling assistance
- Nursing assessment
- Home visits
- Medication reconciliation
- Patient education:
  - Discharge instructions
  - Proper use of emergency department
  - Self management
- Coordinating community based providers:
  - Primary care
  - Mental health
  - Substance abuse

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### What Our Entitlements Coordinator Does In 30 Days

- Needs assessment
- Medicaid, Medicare applications
- SSI/SSDI
- SNAP (food stamps)
- Transportation (MetroAccess, Call-n-Ride)
- Referrals and applications to:
  - PRP
  - RRP
  - Housing and shelters
  - Food resources
  - Other social services and resources
- Assistance getting necessary documents

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### Introduction Of Pathways Model

- October 2014 Carelink adopted Care Coordination Systems (CCS) as its documentation system
  - Pathways and CCS are approved by AHRQ
- CCS documents integration of care
  - Provides for progress reports and outcome assessment
  - Provides a relative risk assessment for triage
  - Supports a braided funding model (Hospital, 3<sup>rd</sup> party insurers, other stakeholders)—example Ohio

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### Trends: Complex Medical, Behavioral Health And Co-morbid Conditions (N=552)

Category	Percentage
Complex Medical	32.55%
Co-Morbid	38.57%
Behavioral Health	28.87%

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### Data: Type Of Referral (N=552)

Referral Type	Percentage
Medical Unit Referral	53%
Behavioral Health Unit Referral	47%

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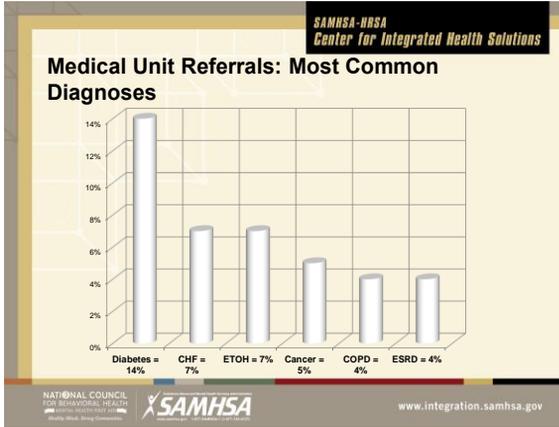
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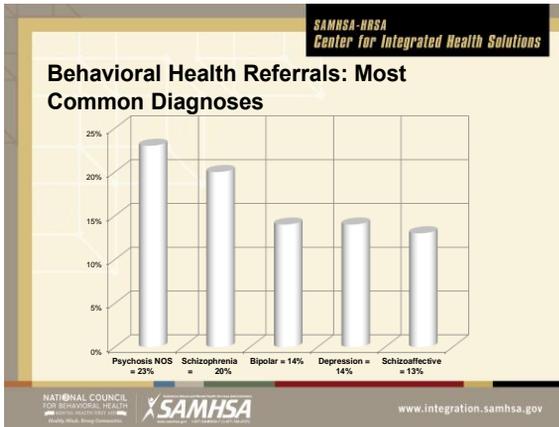
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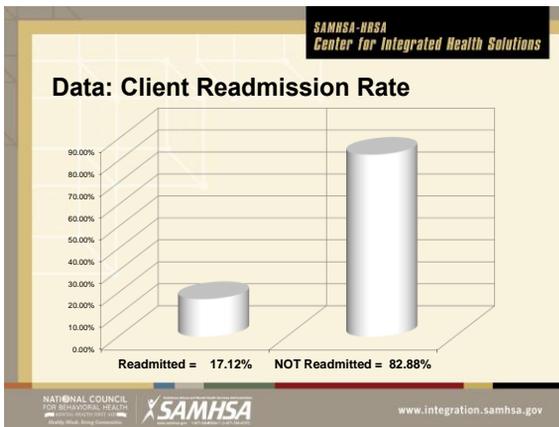
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## Moving Forward

- Expansion to other hospitals
- Changes in staffing
  - Utilizing Community Health Workers (CHW)
  - Continuing to use LPN, more consultative
- Changes in funding

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## Poll Question: For those of you in community provider organizations or inpatient settings, do you have a care transitions program?

- Yes
- No



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**Poll Question: For those of you with a care transition program, what model do you use?**

- Care Transitions Intervention (CTI – Coleman Model)
- Transitional Care Model (TCM – Naylor Model)
- Reducing Avoidable Readmissions Effectively (RARE)
- Re-engineered Discharge (RED)
- Other



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**Care Transitions Interventions in Behavioral Health**

**Harold Alan Pincus, MD**  
 Professor and Vice Chair, Department of Psychiatry  
 Co-Director, Irving Institute for Clinical and Translational Research  
 Columbia University  
 Director of Quality and Outcomes, Research  
 New York-Presbyterian Hospital  
 Senior Scientist RAND Corporation



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**Care Transitions and Readmission**

1. The Problem
  - a. Hospitals incentivized to discharge early
  - b. Fragmented inpatient/outpatient care systems
  - c. Insufficient attention to transition planning
2. The Result
  - a. High rates of potentially preventable readmissions
  - b. Bad for consumers
  - c. Bad for costs

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Improving the Quality of Health Care for Mental and Substance-Use Conditions



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**Follow-Up After Hospitalization:  
Within 7 Days Post-Discharge- HMO Means  
Trends, 2002-2009**



Year	Commercial (%)	Medicare (%)	Medicaid (%)
'02	55	40	38
'03	56	40	38
'04	57	40	38
'05	58	40	38
'06	59	40	38
'07	60	40	38
'08	61	40	38
'09	62	40	38

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**Top Ten Most Common Medicaid Readmissions**

1. Septicemia (except in labor) — \$319 million (17,600 total readmissions)
2. Schizophrenia and other psychotic disorders — \$302 million (35,800 total readmissions)
3. Mood disorders — \$286 million (41,600 total readmissions)
4. Congestive heart failure (nonhypertensive) — \$273 million (18,800 total readmissions)
5. Diabetes mellitus with complications — \$251 million (23,700 total readmissions)
6. Chronic obstructive pulmonary disease and bronchiectasis — \$178 million (16,400 total readmissions)
7. Alcohol-related disorders — \$141 million (20,500 total readmissions)
8. Other complications of pregnancy — \$122 million (21,500 total readmissions)
9. Substance-related disorders — \$103 million (15,200 total readmissions)
10. Early or threatened labor — \$86 million (19,000 total readmissions)

\* AHRQ Statistical Brief

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## Care Transitions and Health Care Reform

1. Policies and structures to reduce readmissions include:

- a. Inpatient/Outpatient collaborative care teams
- b. ACOs/Medical Homes/Health Homes
- c. Overarching financial models (e.g., capitation)
- d. Bundling inpatient and outpatient care
- e. Quality measures
- f. Public reporting
- g. Penalties related to readmission rates
- h. Value-based purchasing

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## Methods

- Systematic literature/web search, snowballing, etc.
  - Including grey literature, education, T/A, implementation material
- Inclusion criteria:
  - Intervention models descriptions
    - General medicine
    - Mental health
  - Trials or evaluation studies
    - General medicine
    - Mental health

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## Major Care Transition Models in General Medical Care

- Care Transitions Intervention (CTI); Eric Coleman
- Transitional Care Model (TCM); Mary Naylor
- Adapted Models/Initiatives:
  - Reducing Avoidable Readmissions Effectively (RARE)
  - Better Outcomes for Older Adults through Safe Transitions (BOOST)
  - Transforming Care at the Bedside (TCAB)
  - Re-engineered Discharge (RED)
  - Geriatric Resources for Assessment and Care of Elders (GRACE)
  - Guided Care Model
  - Bridge: Illinois Transitional Care Consortium
  - Centers for Medicaid and Medicare Innovation Center

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### Care Transitions Intervention (CTI); Eric Coleman

- Four components:
  - Patient-centered record
  - Pre-discharge checklist/tool of critical activities to empower patients
  - Pre-discharge patient session with a Transition Coach
  - Transition Coach follow-up visits and calls
- Intervention based on "Four Pillars":
  - Medication self-management
  - Use of a dynamic patient-centered record
  - Primary care and specialist follow-up
  - Patient knowledge of red flags

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### Transitional Care Model (TCM); Mary Naylor

- Similar in scope to CTI, but differs in approach
- Focuses on chronically ill patients who have been hospitalized for common medical and surgical conditions
- Nurse-led, multi-disciplinary intervention that includes:
  - screening; engaging the elder/caregiver; managing symptoms; educating/promoting self-management; collaborating; assuring continuity; coordinating care; and maintaining relationship

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### How CTI and TCM Relate to Other Models

- All adapted models found included the major components of the CTI and TCM:
  - Recognize that healthcare delivery and support are delivered in silos, with a general lack of communication and collaboration
  - Focus on elderly and/or chronically ill population
  - Utilize a "health coach", whether a specially trained coach or an assigned nurse or social worker
  - Include pre-discharge planning with the patient
  - Follow-up visits and/or calls with the patient by the coach
  - Patient/family takes an active and responsible role in his/her care

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## Availability, Responsiveness, and Continuity (ARC)

- Only model found that focused specifically on mental and behavioral health; designed to support the improvement of social and mental health services for children
- Uses "change agents" to apply 10 intervention components: personal relationships, network development, team building, information and assessment, feedback, participatory decision-making, conflict resolution, continuous improvement, job redesign, and self-regulation
- 4 phases: problem identification, direction setting, implementation, and stabilization
- All within three levels: community, organization, and individual

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## "What, For Whom, By Whom, Where, When, and How"

- *What*: components that constitute the model based upon themes from existing intervention models
- *For Whom*: specific clinical populations that are targeted
- *By Whom*: which professionals (and caregivers/consumers) play which roles

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## "What, For Whom, By Whom, Where, When, and How"

- *Where*: setting is vital to understanding type of implementations and type of system the patients and providers are part of
- *When*: key time points of intervention (and for collection of metrics)
- *How*: implementation strategies/models, T/A, training, infrastructure development, and measurement/communication/technology capabilities, etc.

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### Care Transitions Intervention Components

1. Prospective Modeling
2. Consumer and Family Engagement
3. Transition Planning
4. Care Pathways
5. Information Transfer/Personal Health Record (PHR)
6. Transition Coaches/Agents
7. Provider Engagement
8. Quality Metrics and Feedback
9. Shared Accountability

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### Components: 1 of 9

#### Prospective Modeling

- Identify who is at greatest risk
- Ideally use community/population-specific data
- Transition phase/site: Pre-hospital

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### Components: 2 of 9

#### Consumer and Family Engagement

- Authentic inclusion of consumer and family in treatment plan
- Transition phase/site: Pre-Hospital, Hospital, Outpatient, Home

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### Components: 3 of 9

#### Transition Planning

- Collaboratively establish appropriate client-specific plan for transition to next point of care
- Transition phase/site: Hospital

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### Components: 4 of 9

#### Care Pathways

- Specific clinical/procedural guidelines and instructions, i.e., what to do when
- Includes assessment, medications, psychosocial interventions/management, self-care instructions, follow-up, etc.
- Linkage with national guidelines
- Customize to local community/population
- Transition phase/site: Hospital, Outpatient, Home

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### Components: 5 of 9

#### Information Transfer/Personal Health Record (PHR)

- Ensuring that all information is communicated, understood and managed
- Links consumer, caregivers, and providers
- Transition phase/site: Hospital, Outpatient, Home

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## Components: 6 of 9

### Transition Coaches/Agents

- Roles/tasks, competencies, training and supervision should be specified
- Training includes planning tools, red flags, client engagement/education strategies
- Transition phase/site: Pre-hospital, Hospital, Outpatient, Home

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## Components: 7 of 9

### Provider Engagement

- Providers at each level of care should have clear responsibility and plan for implementing all transition procedures/interventions
- Communication and handoff arrangements among providers and organizations should be pre-specified in a formal way
- At a patient-specific level, providers at each level of care should know what the plan is
- Transition phase/site: Pre-hospital, Hospital, Outpatient, Home

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## Components: 8 of 9

### Quality Metrics and Feedback

- Gather metrics on follow-up post-hospitalization, rehospitalization, and other feedback on process and outcomes and consumer/family perceptions
- Feedback to (and use by) providers for quality improvement and accountability.
- Transition phase/site: Pre-hospital, Hospital, Outpatient, Home

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## Measurement Options

1. All-cause readmission
2. Readmission for same specific condition
  - CHF, Pneumonia, AMI
3. Discharge plan with transition elements
4. Care transition record transmitted to OP
5. 7/30 day outpatient follow-up
6. Patient perceptions survey (CTM3)

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## 3 Item Care Transitions Measure

1. The hospital staff took my preferences and those of my family or caregiver into account in deciding what my health care needs would be when I left the hospital.
2. When I left the hospital, I had a good understanding of the things I was responsible for in managing my health.
3. When I left the hospital, I clearly understood the purpose for taking each of my medications.

Response Options:

- Strongly Disagree Disagree Agree Strongly Agree Don't Know/Don't Remember

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## Components: 9 of 9

### Shared Accountability

- All providers share in expectations for quality and results as well as rewards/penalties
- Accountability mechanisms may include financial mechanisms and public reporting with regard to quality and value
- Consumers/families also share in accountability
- Transition phase/site: Hospital, Outpatient

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### Care Transitions Intervention Components

1. Prospective Modeling
2. Consumer and Family Engagement
3. Transition Planning
4. Care Pathways
5. Information Transfer/Personal Health Record (PHR)
6. Transition Coaches/Agents
7. Provider Engagement
8. Quality Metrics and Feedback
9. Shared Accountability

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## Resources

Health Affairs Brief – Improving Care Transitions:  
[http://www.healthaffairs.org/healthpolicybriefs/brief.php?brief\\_id=76](http://www.healthaffairs.org/healthpolicybriefs/brief.php?brief_id=76)

Minnesota Reducing Avoidable Readmissions Effectively (RARE) Initiative:  
[http://www.rarereadmissions.org/resources/mental\\_health.html](http://www.rarereadmissions.org/resources/mental_health.html)

American Hospital Association Brief – Bringing Behavioral Health into the Care Continuum: <http://www.aha.org/research/reports/tw/12jan-tw-behavhealth.pdf>

National Transitions of Care Coalition: <http://www.ntocc.org/>

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## How to ask a question during the webinar

Please type your questions into the question box and we will address your questions during the Q&A portions of the event.



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**Additional Questions?**  
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**Thank you for joining us today.**

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