

Behavioral Health Telemedicine/Telepsychiatry and Mobile Outreach Programs: A New Approach to Facilitate Virtual Collaborative Integrated Medical-Behavioral Care

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**Children's Hospital
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Detroit Medical Center/ Wayne State University

**WAYNE STATE
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***“The Detroit Medical Center's ED
Psychiatry Programs and Crisis
Centers Should Be Seen and Used
As the Model For How These
Programs Should Be Organized
Across the Tenet System.”***

***- David Hickman, Quality Manager,
Tenet Healthcare Corporation
Headquarters Office, 11/13/14***

BRIEF REPORT

Intervention to Reduce Inpatient Psychiatric Admission in a Metropolitan City

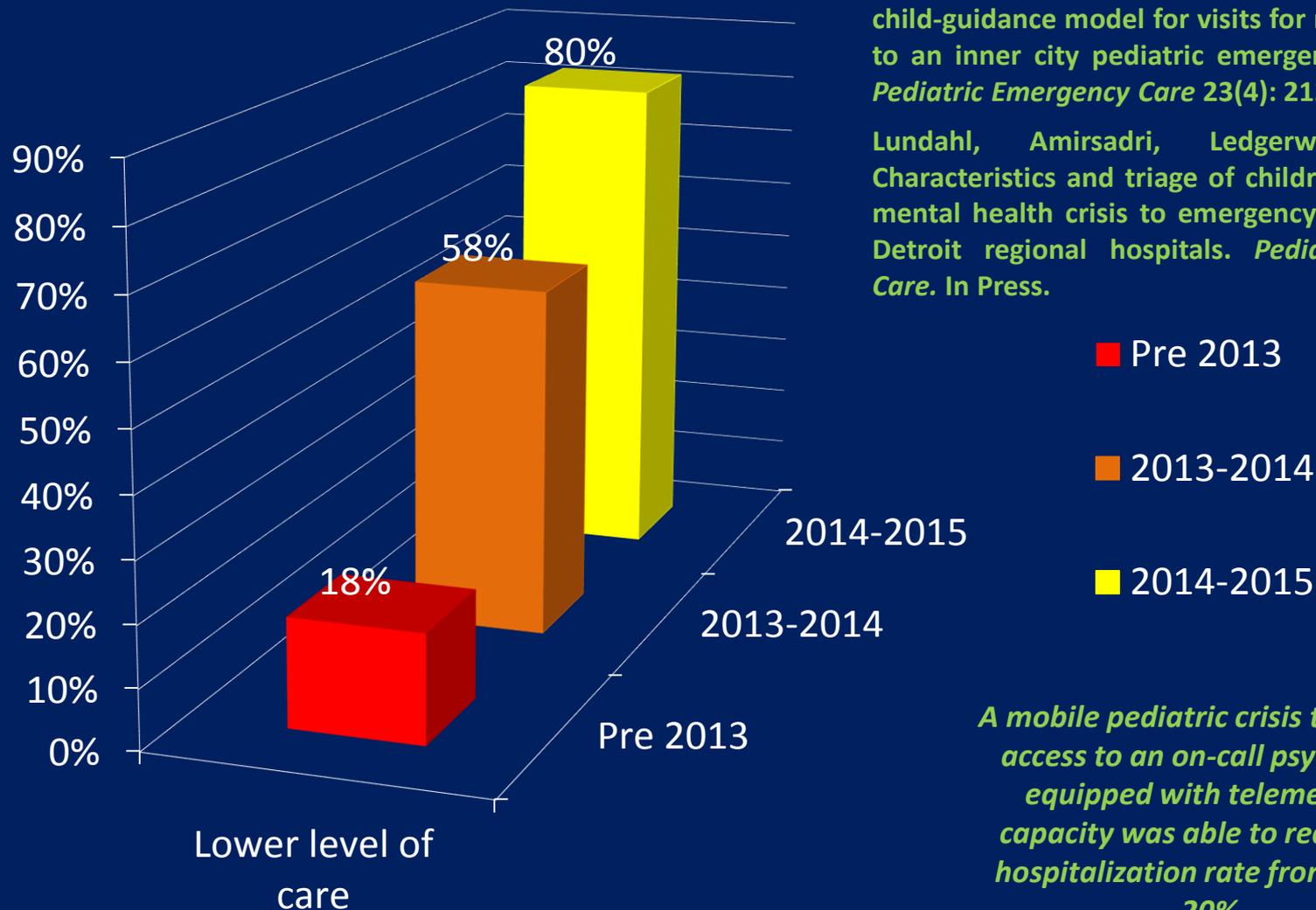
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Luay Haddad · Manuel Tancer · Cynthia L. Arfken

***Inpatient Diversion Program results
in 94% reduction in inpatient
hospitalization, improved outcome,
and \$7.6 million in savings to MI
State Medicaid in single year.***

Hybrid Mobile Crisis Assessment and Intervention Team Program for Children and Adolescents

Mahajan, Thomas, Rosenberg, et al: Evaluation of a child-guidance model for visits for mental disorders to an inner city pediatric emergency department. *Pediatric Emergency Care* 23(4): 212-217.

Lundahl, Amirsadri, Ledgerwood, et al: Characteristics and triage of children presenting in mental health crisis to emergency departments at Detroit regional hospitals. *Pediatric Emergency Care*. In Press.



A mobile pediatric crisis team with access to an on-call psychiatrist equipped with telemedicine capacity was able to reduce the hospitalization rate from 82% to 20%.

**Children's Hospital of Michigan
Emergency Room**

**Pediatric Primary
Care Network**

**All Wayne County
Hospital
Emergency Rooms**

**Adult and Pediatric
Telepsychiatry and Mobile
Crisis/Outreach Programs**

**Methadone
Clinic**

**Pediatric
Asthma
Clinic**

**Sterling Heights
Police and Fire
Departments**

**Adult Foster
Care and
Group Homes**



**Department of Psychiatry
(Polycom HDX 4500)**

**Wayne State
University
Family Medicine and
Internal Medicine
Clinics**

**Western Wayne
& Wellness Plan
Federally Qualified
Health Centers**

TELEPSYCHIATRY TECHNOLOGY



- **Mobile to Mobile = Tablets & Smart phones**
- **Mobile to Desktop = Tablet & Polycom HDX**
- **Desktop to Desktop = Polycom HDX**
- **Use of Kiosk in primary care waiting room and or designated pharmacies.**
- **Smart phones = calls to doctors, access to cloud base information etc.**
- **Patient follow up via texts, email, phone calls etc.**
- **Ongoing training via apps, vignettes, forums with supervision & checks & balances.**



Polycom Desktop



I-Pad Usage



Telepsych Demonstration Video

