Achieving Population Well-Being through Mental Health Integration & Team Based Care

Impact on Quality, Healthcare Use, Cost & Patient Experience

NASEM Forum on Mental Health and Substance Use Disorders
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Disclosures

I have no financial or non financial conflicts of interest to disclose







We are on a Measured Journey –

"Helping people live the healthiest lives possible®"

Using Data to Improve Care Delivery and Patient Outcomes

Built on Intermountain's Rich History of Innovation, Improvement, and Excellence

- Health plans
- Vertical integration strategy
- **Continuous Quality Improvement**

- Supply Chain Organization
- Revenue Cycle Organization
- Patient Flow
- **Efficiency improvements**
- New care process models

2000s



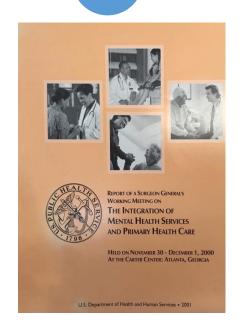
Intermountain Foundation



- System-wide standards (quality, management)
- First clinical & financial information systems

- Medical Group
- **Clinical Programs**
- Clinical Board goals

1990s



2010s

- to Present
- Population Health
- iCentra
- **New Mission Statement**
- National brand
- Zero Harm
- New business development
- Reorganization
- **Partnering for Success**



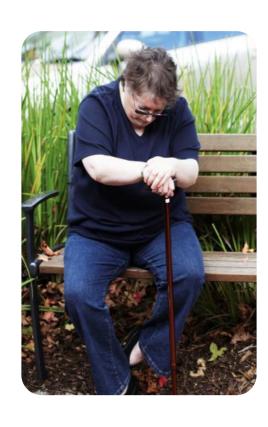
American Healthcare: Amazing Successes and Tragic Failures



Rescue Care

VS

Prevention and Effective
Management of
Chronic Conditions







Normalizing Mental Health is a Growing Global Priority

Global Health Priority



43 M
Americans suffer a form of mental illness

300 M
People worldwide live with depression

68% of adults with mental disorders have other medical conditions

Significant cost



\$200 billion annually, exceeding all medical conditions



Rising death toll

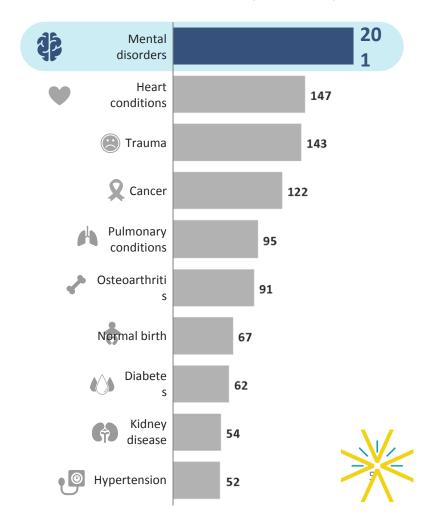


20 M Americans suffer from substance mental illness of substance abuse

~64,000 drug overdose deaths annually in 2016

suicide death every 40 seconds (2014)

The costliest medical conditions (\$B, 2013)



"Mental health is a state of successful performance of mental and physical functioning, resulting in productive activities, fulfilling relationships with others, and the ability to adapt to change and cope with adversity"

David Satcher, M.D.

Surgeon General of the United States

Mental Health: Report of Surgeon General, M385/ Library of Congress, 1999

Team based, mental health integration is focused on prevention and access via normalizing mental and behavioral health as routine medical care through unified connected team interactions





Our journey is focused on enhancing the conditions for good health

"The circumstances in which people live and work are related to their risk of illness and length of life" – Marmot (2004) The Status Syndrome



Management of Complex Chronic Disease in Primary Care

Team Based Care / Mental Health Integration Infrastructure

Diabetes, Asthma, Heart Disease, Depression, Hypertension, ADHD, Obesity, Chronic Pain, including Substance Use Disorders, etc.

2/3 – cared for routinely in primary care	1/6	1/6
Patient & Family, PCP, and Care Manager (CM) as needed	PCP, CM + mental health as needed	PCP with MHI Specialist Consult

*Primary Care Physician (PCP) includes: General Internist, Family Practitioner, Pediatrician





"If I don't do it, who else will? I am all they have. I have been forced to treat depression alone." PCP Non-MHI/TBC Clinic



"Don't ask..."

"The cringe list keeps my stomach in knots."





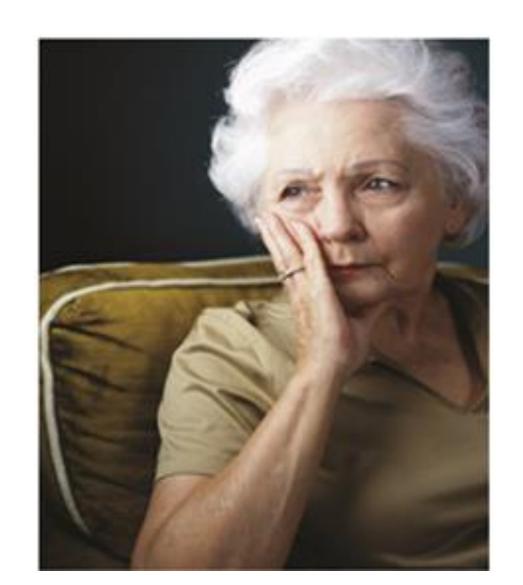


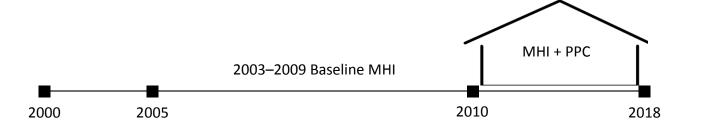
"I was left to figure it out on my own, we never talked about it, he just refilled my meds" (p < .01) Non-MHI/TBC Clinic





Team-Based Care / Mental Health Integration: More Than Just a Program





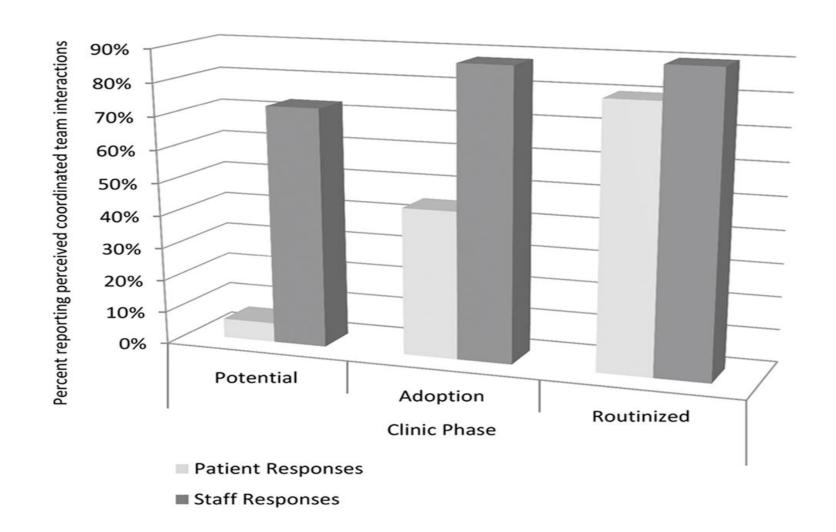
Culture of Accountable Relational Reciprocity

- "My doctor was the first person to treat me as a whole person." (p <.001)
- "I am connected to a team that talks to each other" (p < .05)
- "Being on the same page I get better results" (p <.01)





Difference between patient and care team perception of coordinated care by MHI phase



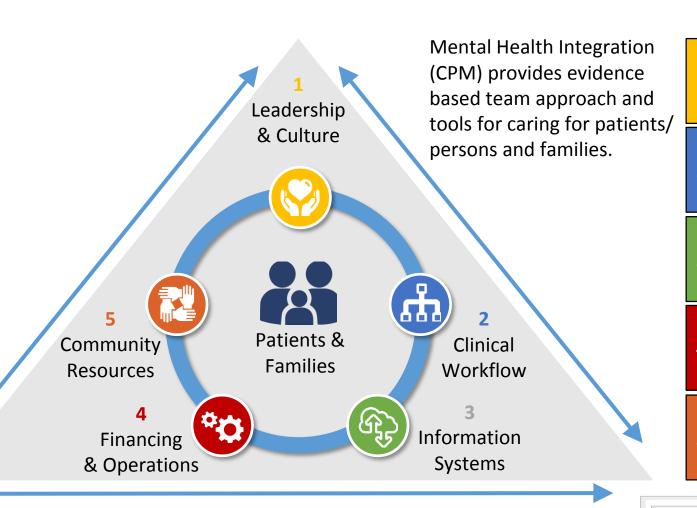




Establishing and Understanding Clinic Team Roles & Responsibilities



What is Mental Health Integration (MHI)?



Essential Integrated Elements

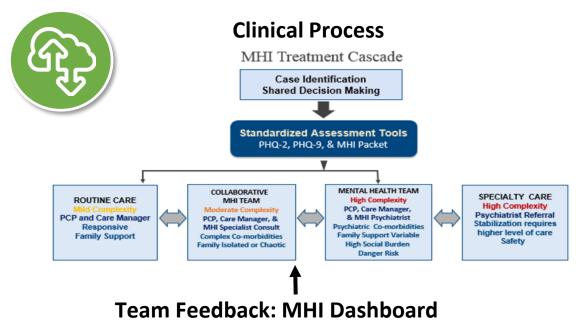
- Leadership and culture champions establishing a core value of accountable and cooperative relationships
- Clinical Workflow engaging patients and families on the team and matching their complexity and need to the right level of support
- Information systems EMR, EDW, registries, dashboard to support team communication and outcome tracking
- Financing and operations projecting, budgeting and sustaining team FTE to measure the ROI
- Community resources who are our community partners to help us engage our population in sustaining wellness

A standardized clinical and operational team relational process that incorporates mental health as a complementary component of wellness & healing.

Planning Score: 9-25 Adoption Score: 26-41

Routine Score: 42-51

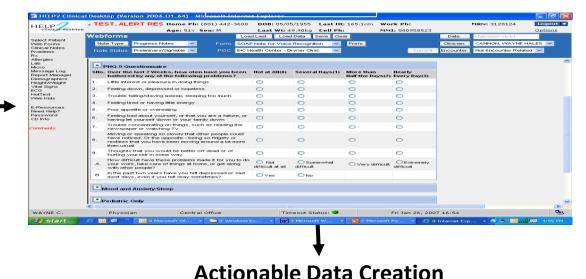
Actionable Data Helps Support Decision-Making & Care Improvement



PHQ2 or PHQ9/A Screening in Past 12 Months Categorical Change in PHQ9 by Clinic



Data Input



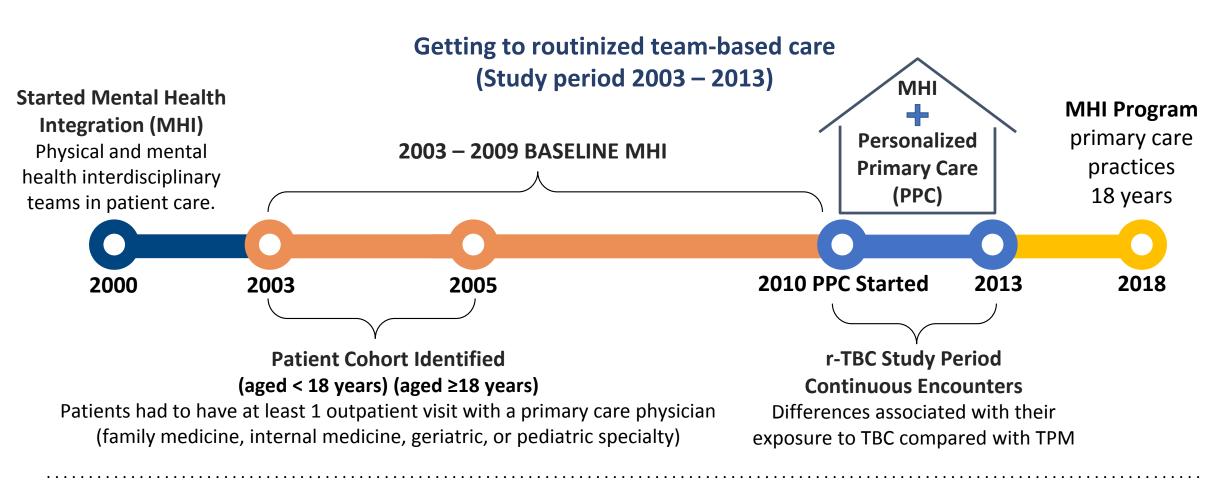
Registry (EDW) – 1999 to present

Depression Registry

Depression registry n = 604,160

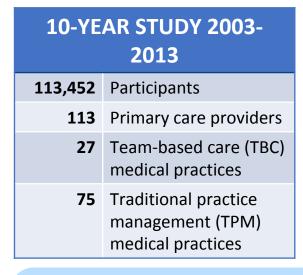
- Accurately captures "active" depression patients
- Includes various process & outcomes measures
- Aligned with iCentra EHR

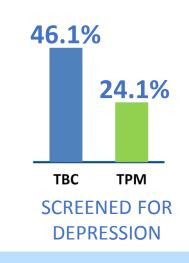
Intermountain's Integrated Team Based Care Cultural Journey

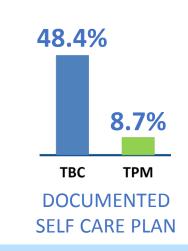


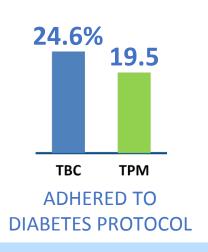
MHI tools are deployed system-wide throughout Intermountain's **22** hospitals, **185** clinics and **59** urgent care/emergency departments using a common **electronic health record and screening tools**. Healthcare providers communicate with each other via notes in the patient record and track results as a united team. Total patients annually **967,445**.

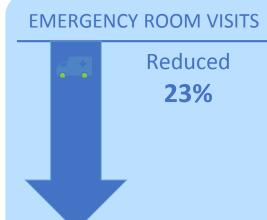
Published JAMA study showed that integrating mental and physical health through primary care teams results in better clinical outcomes and lower costs

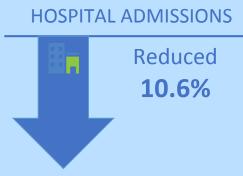














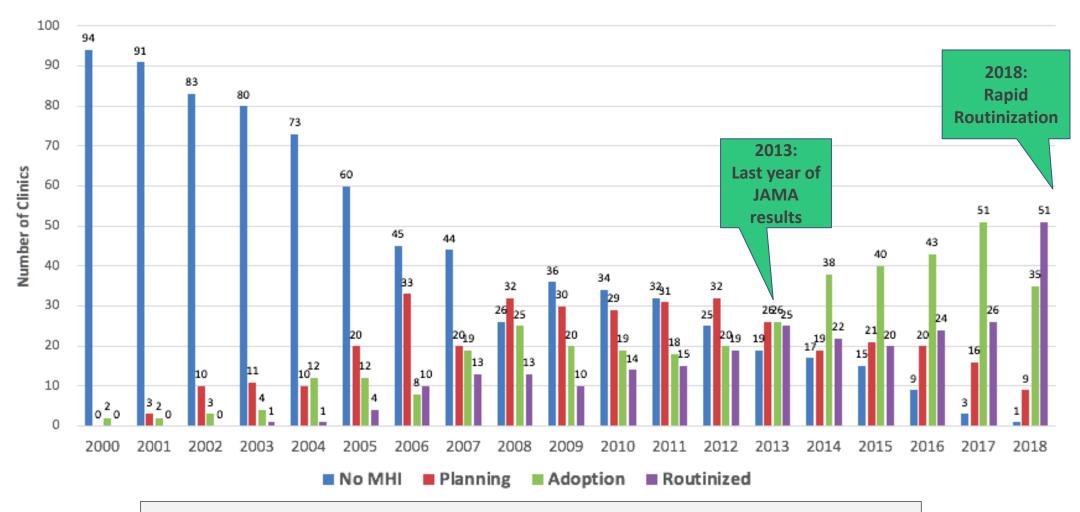


(\$3,401 for TBC vs. \$3,516 for TPM)

Savings of \$115.00 Per patient per year (PPYR)

Savings of over \$13 Million per year

After JAMA was published and more TBC/MHI resources were applied, rapid adoption and routinization followed



Alluceo believes layering intuitive technology on top of TBC/MHI can even further accelerate a clinic's timeline between adoption and routinization.

10 years of Intermountain TBC/MHI experience shows \$115 PMPY savings¹



\$115

PMPY savings at \$22 program cost



\$260

PMPY savings for commercial payer patients



\$1,400

PMPY savings for patients with other chronic conditions²



\$5M

Saved during implementation, which covered 7-8% of patients

- 1. Association of Integrated Team-Based Care With Health Care Quality, Utilization, and Costhttps://jamanetwork.com/journals/jama/fullarticle/2545685?resultClick=1
- 2. Chronic Patients: patients with multiple comorbidity
- 3. Over a 4 year study period: jamanetwork.com/journals/jama/fullarticle/2545685?resultClick=1
- 4. Assuming 50% penetration of plan members (excluding Medicare Supp, Medicaid etc.)
- 5. Assuming 50% penetration at the hospital of similar size as IM
- 6. Assuming 50% penetration

Representing a meaningful opportunity for other health systems and payers



\$2B+ in savings if scaled across a national payer such as United Health⁴



\$800M+ in savings if adopted broadly at 10 large hospital systems⁵

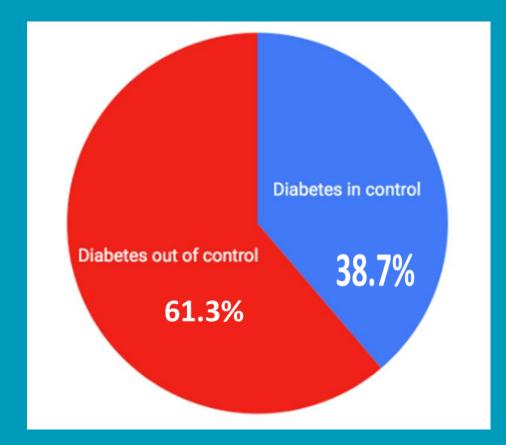


\$200M in savings if 10 largest US employers adopted the system⁶

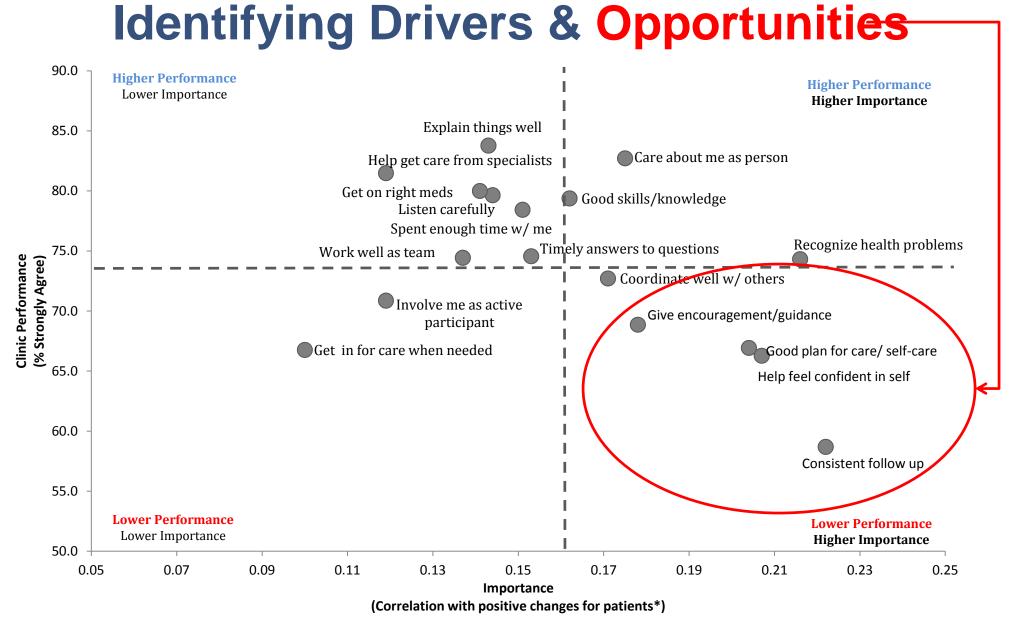


What Is the Real Cost?

JAMA Editorial: Integrated Behavioral and Primary Care, "What Is the Real Cost?" Thomas L. Schwenk, MD JAMA August 23/30. 2016 Vol. 316 No 8.







NOTE: 680 primary care patients that asks about patient experiences with their "doctor and others at the clinic" over the prior 12 months * Combined self-perceived change in patient's health, health engagement/self-care, & confidence in health care compared to 12 months prior

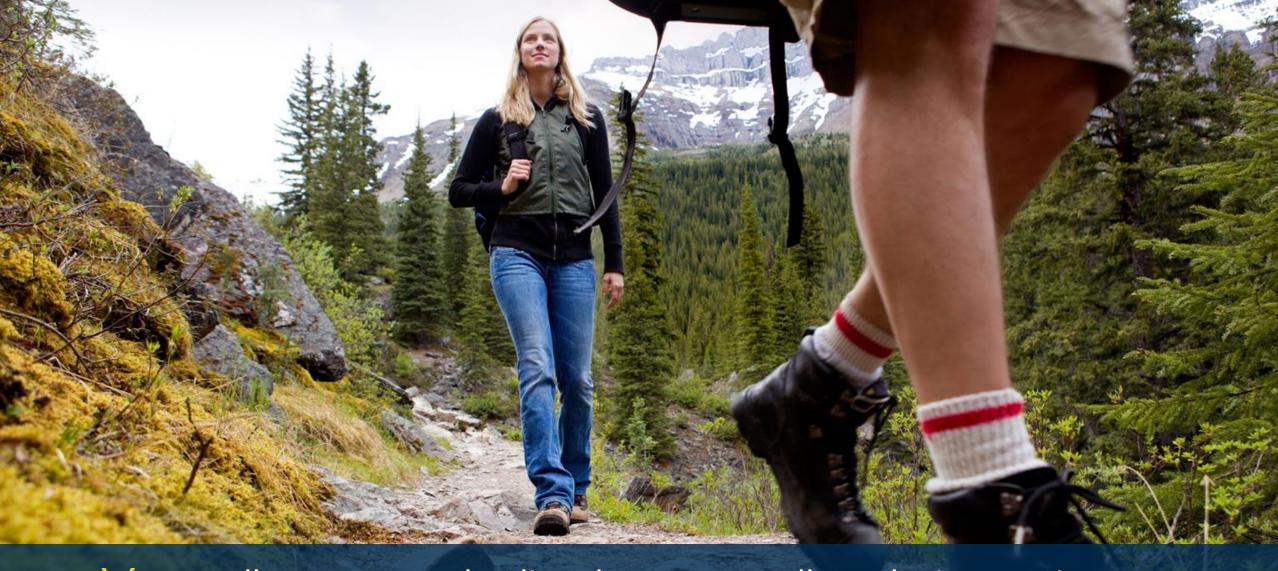
Scaling Population Health & Well Being – Upstream Technology

Time to provide prevention and effective management through holistic care teams -in everyday life-







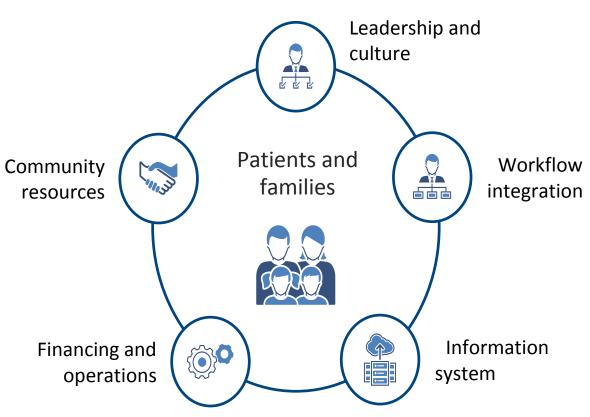




At Alluceo, we are leading the way to wellness by integrating physical and mental health into routine everyday life

Building on 20 years of integrated team based care science and operational excellence at Intermountain Healthcare - Engagement Lessons







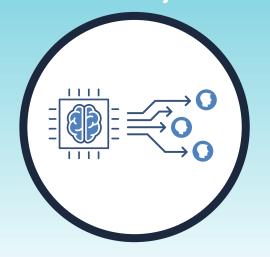
Alluceo is creating something unique

Only solution with documented peer reviewed outcomes



10 years of
Intermountain data on
clinical and cost
outcomes

Unique
algorithm
assembles a
personalized care
team for each
patient and their
family



Practice management to assess and optimize resources

Best
in class
integrated
digital
solution



Holistic and integrated suite of care tools

Normalizing Mental Health is Everyone's Business



