## **Achieving Patient Well-Being at Lower Cost**

Population Health through Mental Health Integration and Team-Based Care

"Using Complex Health Data to Drive System Change"



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We are on a Measured Implementation Journey – "Helping people live the healthiest lives possible®"

## The Science of Mental Health Integration

**Key Implementation Findings** 

Cultural Vision Alignment
Equitable Workflow
Complex Data Transparency
Continuous Trusting Relationships
Connecting Outcomes Overtime



Culture of Learning Builds Value

Common Vision | Clinical Work Processes | Data and Evaluation Transparency

## **American Healthcare**

Amazing Successes and Tragic Failures

Most crushing healthcare problems of our society remain

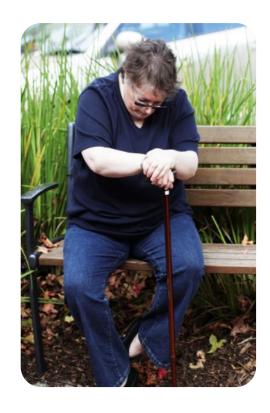


**Acute Care** 

Siloed Rescue Care

VS.

Prevention, Resilience-Building and Effective Team Management of Chronic Conditions



**Primary Care** 

### PROBLEM: The global mental health crisis overwhelming healthcare delivery impacting quality - out of control costs - exhausting staff, patients and families

#### Global Mental Health Crisis



People worldwide live with depression

with mental disorders have other medical conditions

#### Rising Death Toll



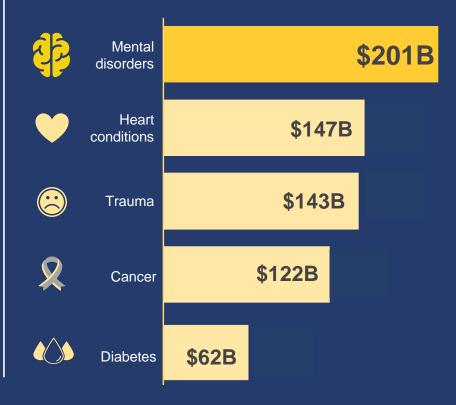
mental illness associated

~64,000

drug overdose deaths annually in 2016



#### Significant Cost



"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

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



## Transforming the Value of Primary Care

Mental Health Clinical Integration: Team Management of Complex Chronic Disease in Primary Care - including Substance Use Disorders

#### **Mental Health Integration Infrastructure**

Diabetes, Asthma, Heart Disease, Depression, Hypertension, ADHD, Obesity, Chronic Pain, SUD, 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

## What Is Mental Health Integration (MHI)?



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

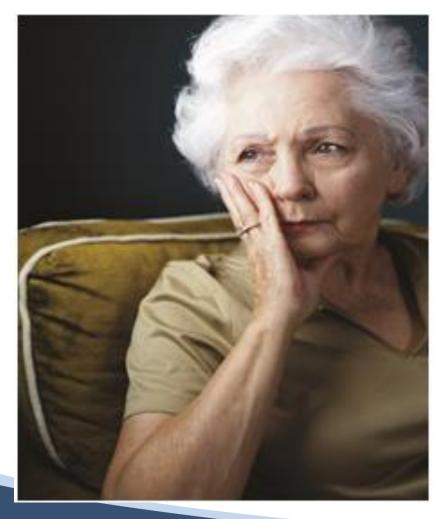
#### **Essential Integrated Team Elements**

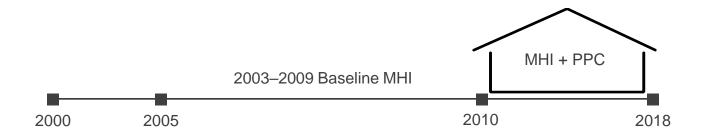
- Leadership and culture champions establishing a core value of accountable and cooperative relationships
- Clinical Workflow engaging patients and families on the team and matching their complexity and need to the right level of support
- Information systems EMR, EDW, registries, dashboards, technology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

Planning Adoption Routine Score: 9-25 Score: 26-41 Score: 42-51

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

### Implementation Roadmap - Culture of Relational Reciprocity





Impact of a Culture of Relational Reciprocity:

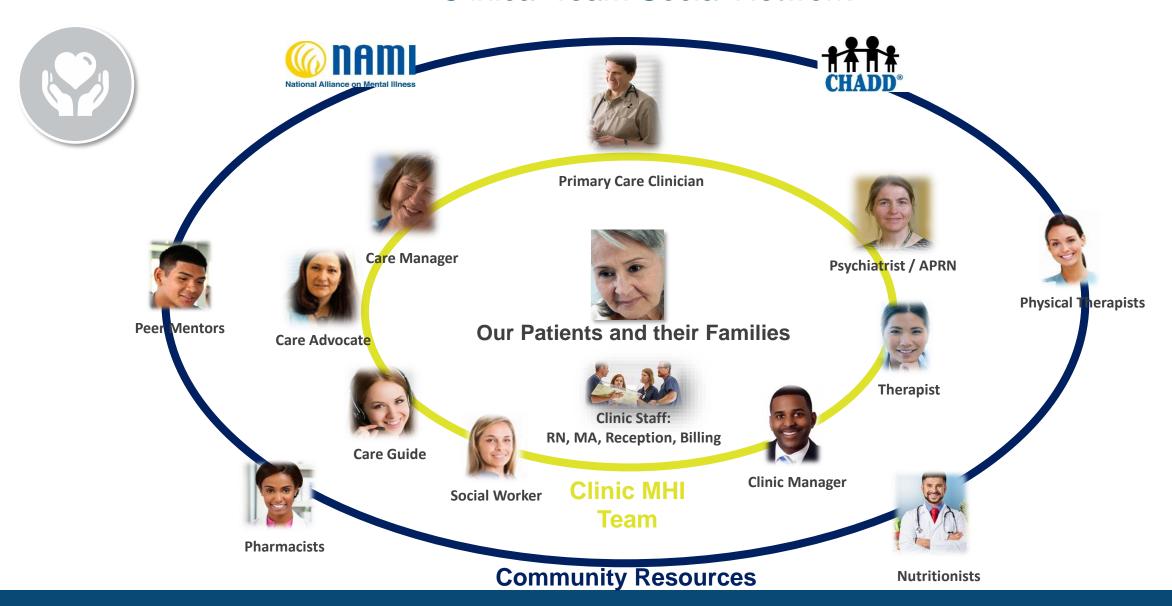
'My doctor was the first person to treat me as a whole person' (p < .001)

'I am connected to a team that talks to each other' (p < .05)

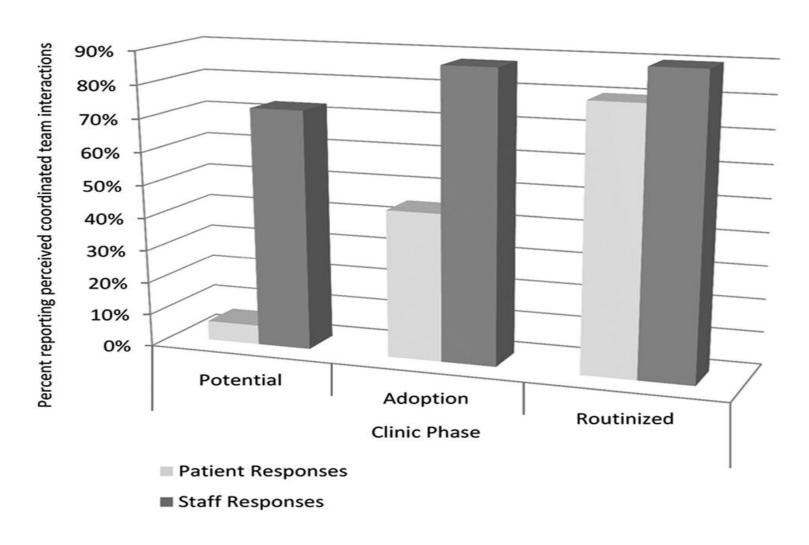
'Being on the same page I get better results' (p <.01)



## Establishing, Understanding & Connecting Roles Responsibilities of Clinical Team Social Network

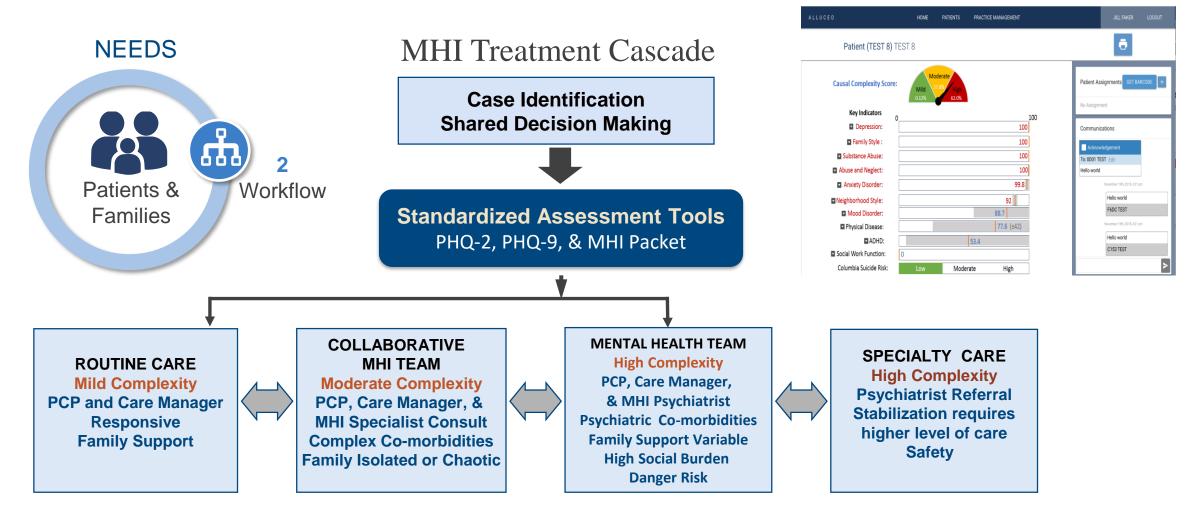


# Differences in patient-perceived coordinated team interactions by Mental Health Integration (MHI) clinic level of TBC maturity

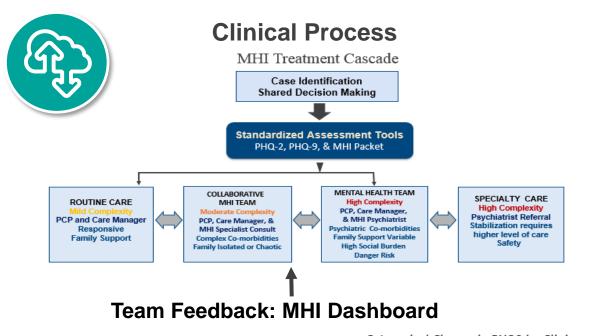




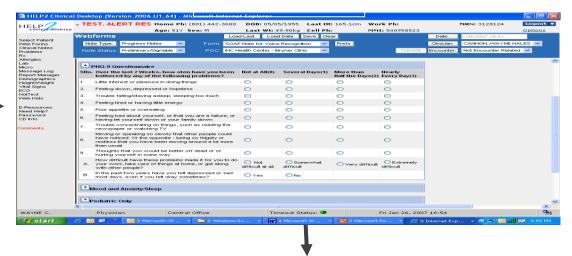
## Matching Right Level of Team Resource to Complexity of Patient and Family Story



## Actionable Data Helps Support Decision-Making & Care Improvement



#### Data Input



**Actionable Data Creation** 

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



# Measuring Implementation Performance towards Team Routinization MHI TBC Yearly Scorecard (N = 120/185)







Financing & Operations

Community Resources Planning Score: 9-25

50010.

Adoption Score: 26-41 Routine

Score: 42-51

Committed Leadership Identify Population Complexity

Implement staffing & provider needs Assign all roles relative to MHI CPM Routine Meetings Monitored adherence
Continuous training & support provided
Champions leading

Design patient workflow Identify Patient & Family Complexity Implement strategies to address barrier Develop care management strategy

Identified workflow gaps; Improved process Engaged providers w/ treatment cascade Difficult case conferences

Complete team scorecard Design MHI Dashboard

Providers assign complexity & stratification Dashboard identifies gaps & chronic disease action plans Tracked patient complexity data
Dashboard used to target outcomes results

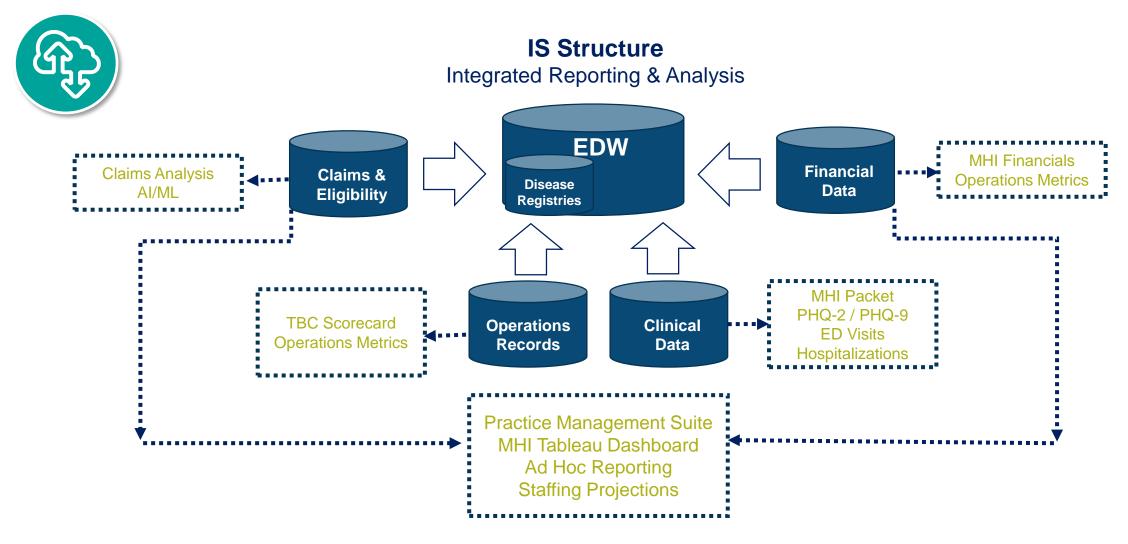
Review & Track clinical & operational reports quarterly; Team FTE

Gaps identified & action plans developed Refine meaningful tools – TBC ROI Reports used to improve performance Data used to target utilization & cost gaps

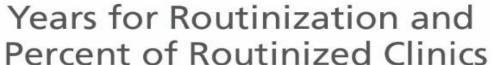
Inventory of potential partners Identify support groups & classes

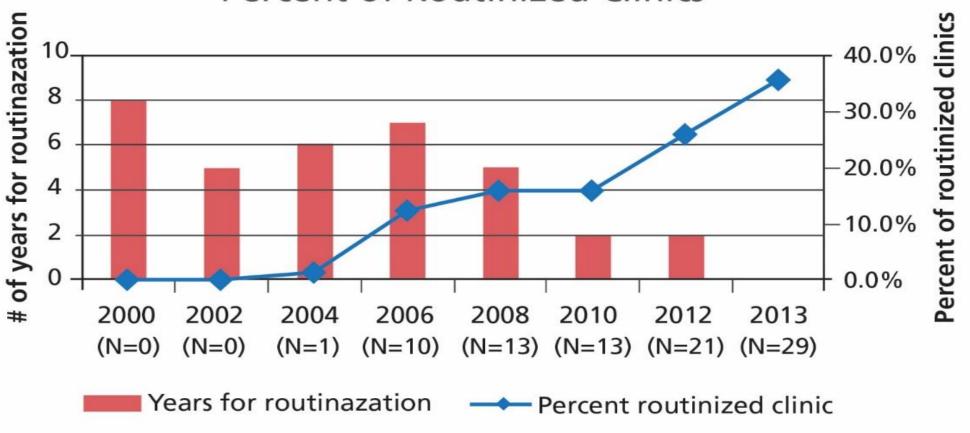
Process developed to provide resources Team link patients to groups, classes, peer support Documented community referrals Engage new partners; patient mentors

# Intermountain Data Infrastructure to Support MHI TBC Primary Care Cultural Transformation

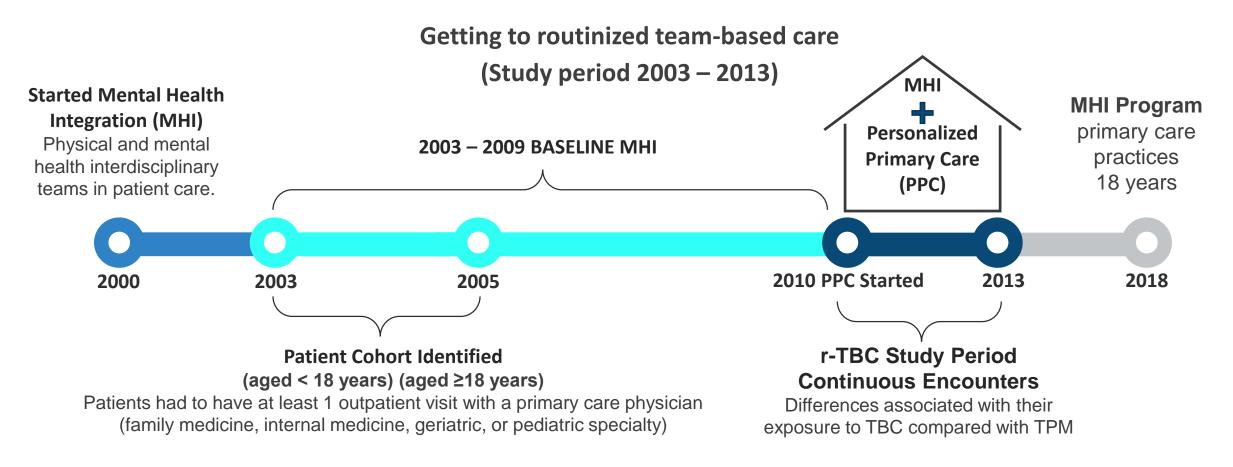


A streamlined implementation process has resulted in exponential growth in MHI clinics (N = 82)





## Integrated Team-based Care (TBC) Cultural Journey

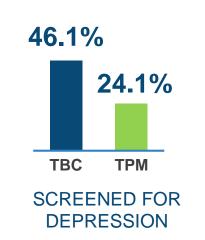


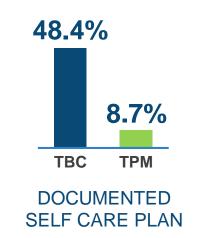
MHI tools are deployed system-wide throughout our **22** hospitals, **185** clinics and **59** urgent care/emergency departments using a common **electronic health record and screening tools**. Healthcare providers communicate with each other via notes in the patient record and track results as a united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

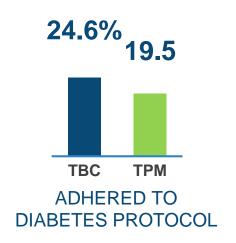


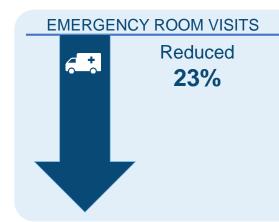
**Adult** Study shows that integrating mental and physical health through primary care teams results in better clinical outcomes and lower costs.

10-	YEAR STUDY
113,452	Participants
113	Primary care providers
27	Team-based care (TBC) medical practices
75	Traditional practice management (TPM) medical practices

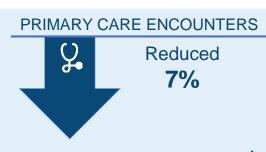














(\$3,401 for TBC vs. \$3,516 for TPM)

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

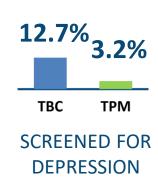
Savings of over \$13 Million per year

Brenda Reiss-Brennan, PhD, APRN, et al. 2016 **JAMA** 

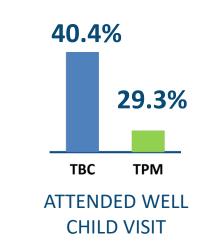


### Pediatric study shows that integrating mental and physical health through primary care teams results in better clinical outcomes and lower costs.

10-YE	AR STUDY 2003- 2013
29,378	Participants
20	Team-based care medical practices (all 4 years)
26	Traditional practice management medical practices (all 4 years)

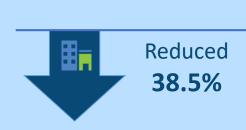


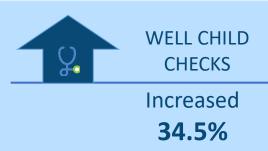
**HOSPITAL ADMISSIONS** 

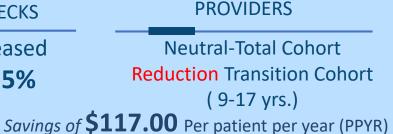










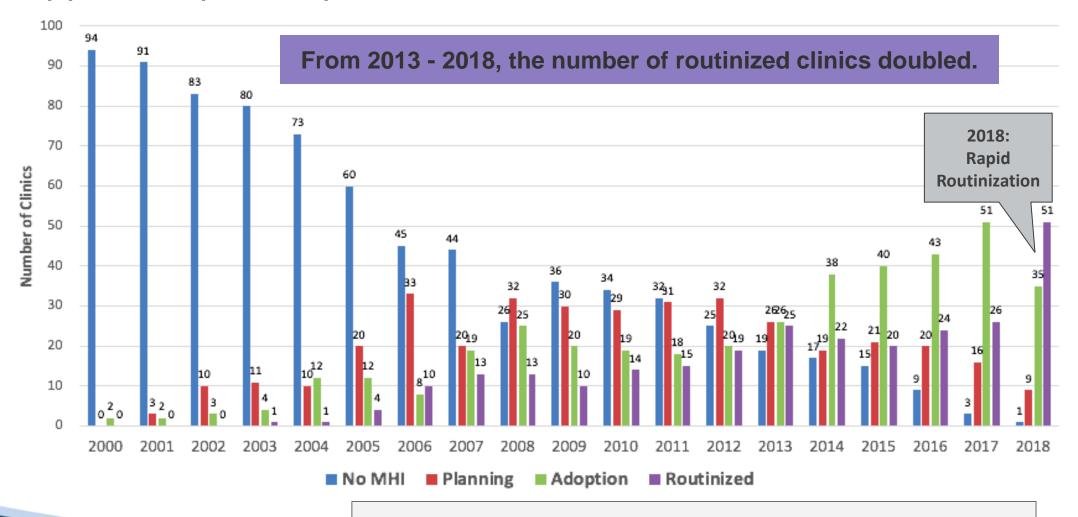


**PAYMENTS TO** 

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





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

#### DIFFERENTIATOR: We are the only solution with 10 years of proven outcomes that fully integrates with patients' holistic healthcare ecosystem

#### JAMA 10yr study (2003-2013) at Intermountain Healthcare

Association of Integrated Team-Based Care With Health Care Quality, Utilization, and Cost<sup>1</sup>

Brenda Reiss-Brennan, PhD, APRN; Kimberly D. Brunisholz, PhD; Carter Dredge, MHA; et al

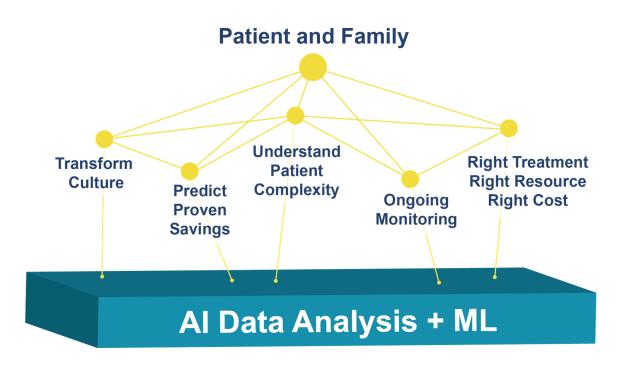
#### Integrating Mental + Physical Health in Primary Care = Better Outcomes & Lower costs

**New patient** Adherence to **Emergency** Hospital depression screening diabetes protocol room visits admissions 91% 26% 10.6% 23% Reduced Increased Increased Decreased

<b>§</b> Financial Results	
\$115	PMPY savings at \$22 program cost
\$260	PMPY savings for commercial payer patients
\$1,400	PMPY savings for patients with chronic conditions <sup>2</sup>
\$13M³+	Annual savings for patients in study

## Future – Scaling Successful Innovations Beyond 'Bright Spots' Equitable Integrated Virtual Team Based Care as a 'Common Good'

Our future roadmap will build upon the patient/practice experience and existing AI/ML analysis as well as sustainable partnerships driving integration opportunities that make 'doing good – good business'



**Patient/Family Care Life course Journey** 

**Practice Enablement** 

Data Intelligence and interoperability

**Whole Body Ecosystem and Social Networks** 

**Connectivity through Community Partnership** 



## Scaling Population Health & Well Being

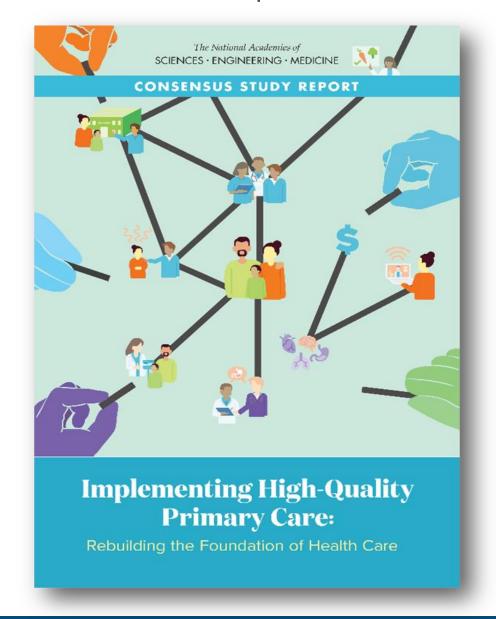
Time to rebuild the foundation of healthcare

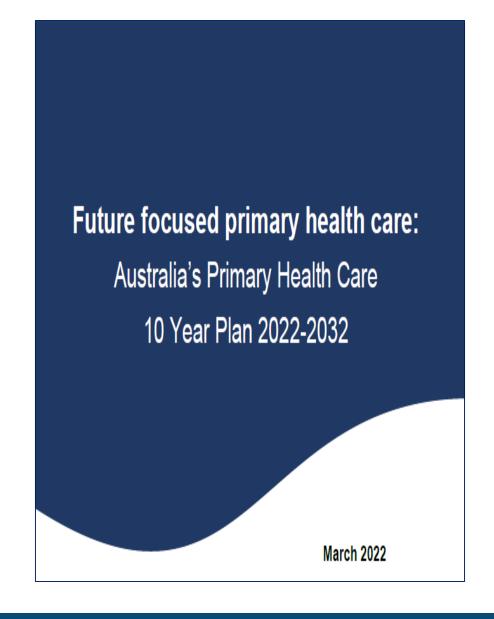
Providing Data Driven Prevention & Effective Management through Holistic Trusted and Connected Care Teams



**Every Day Life** 

#### Adaptive and Accountable Leadership & Governance







## **5** Objectives for Achieving High-Quality Primary Care

- PAYMENT
- Pay for primary care teams to care for people, not doctors to deliver services.
- 2 Ensure that high-quality primary care is available to every individual and family in every community.
- WORKFORCE
  Train primary care teams where people live and work.
- Design information technology that serves the patient, family, and interprofessional care team.
- Taccountability Ensure that high-quality primary care is implemented in the United States.