

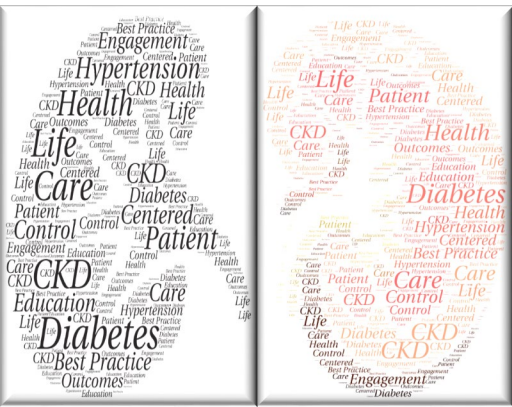
Barriers and Challenges to Data Collection:

ICD PIECES

Holt Oliver MD PhD

NIH Pragmatic Trials Collaboratory Annual Meeting

April 21, 2022



**NIH PRAGMATIC TRIALS
COLLABORATORY**

Rethinking Clinical Trials®

ICD PIECES

Overall aim

Evaluate a Practice facilitator assisted by clinical decision support implemented evidence-based care for secondary prevention of HTN, DM, CKD, and CV complications

Parkland Health- County Safety net

Texas Health Resources- Private practice network

ProHealth Physicians- Private ACO

VA North Texas- Veterans Affairs

working in partnership with University of Texas Southwestern, PCCI



Parkland



**Texas Health
Resources®**



U.S. Department
of Veterans Affairs



The Balancing Act: Research and Health Care Delivery



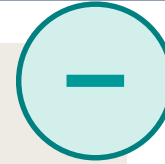


Data Collection: EHR Needs & Challenges

- Cohort identification
- PCP identification



Cohort Complexity
Data Use agreements
that are barriers to
validation
Data access timeliness



- Privacy/Deidentification
increases participation
- Decision-support systems:
Feedback and use data



4 issues

1. Data not collected.
2. Data not collected consistently.
3. Data collected but not consistently stored in EHR.
4. Data stored in EHR can be hard to extract.

Data Collection: EHR Opportunities & Assets

- **Regional QIO (Three sites)**

- DFWHC
- PentaState QIO

- **Clarity database (Two sites)**

- Tracks appointments and encounters
- Refreshed in real time or daily

- **Virtual Data Warehouse (ProHealth, VA)**

- Database developed over 20 years to support multisite HCS research
- Enrollment, demographics, encounters, diagnoses, pharmacy, laboratory, PROs, claims

- **Retaining Skilled data collection team**

Thank you to our team and funders



We are grateful to NIDDK for funding and partnering on this study and to the NIH Pragmatic Trials Collaboratory and NIH Collaboratory Coordinating Center for supporting this work.

Improving Chronic Disease with PIECES (ICD PIECES)

ICD PIECES

UTSW

Miguel Vazquez, MD

Robert Toto MD

Chul Ahn PhD

Song Zhang PhD

ProHealth Physicians

Jonathan Rosen MD

Stephanie Gernant PharmD

Charlie Upton PharmD

Suzanne Florczyk, PharmD

Karen Pasquale

Parkland

Brett Moran, MD

Noel Santini, MD, Physician Leader

Kay Thompson, MD

Oliaku Idigo

RN

Kristin Ashton NP

Jill Sommerhauser, RN, MSN,

PCCI

George Oliver, MD, PhD

Venky Sundaram, PharmD

THR

Ferdinand Velasco MD

Lynn Myers MD

Maryam Sajjad RN

Charles Oginni RN,CRNA

Janet Holden, RN

VA NTX

Tyler Miller MD

Jeffrey Hastings MD

Anuoluwapo

Adelodun, MD MPH

NIH Leadership

NIDDK

Kevin Chan, MD Project Officer

Susan R. Mendley, MD Project Scientist

Andrew Narva MD NKDEP

Barbara Wells PhD NHLBI

Bolded names are members of the Executive Committee

Thank you to our team and funders



Improving Chronic Disease with PIECES (ICD PIECES)

ICD PIECES

NIH Leadership

UTSW

Consultants:

Perry Bickle MD
Luigi Meneghini, MD

Mark Sakai MD

University at Buffalo

Chet Fox, MD
Linda Kahn, PhD

Pieces Tech

Ruben Amarasingham MD

Mark Burkart MS
Ying Ma PhD
Stephen Remusat

ProHealth Physicians

Thomas Meehan MD MPH

John Lynch MD

Alison Kleppinger, MS

Shanti Carter

Lori Iwanicki

Andrew Krockomberger

Parkland

Joe Chang MD
Jessica Hernandez
Kay Thompson, MD
Sohba Fuller, RN
Anjum Varshney, RN

PCCI

Adeola Jaiyeola, MD MPH

Esther Olsen, MHA

Shelley Chang, MD PhD
Boryana Manz, PhD
Tuan 'Minh' Nguyen, PhD

Albert Karam, MS, MBA

Weiwei Ouyang PhD

Chris Clark, MS

Anthony Waddimba, PhD

THR

Tony Keller
Patricia Schlorke PhD
Kalyana Akula
Karen Sandoval
Cheryl Skinner

Diana Gibson

Hung Tran

VA NTX

**Susan Hedayati
MD**

Tariq Siddiqui
Rom Khattri

Rosemeier, Kathryn
A. Pharm.D

Kari Campiotti

Eric Grep

NIDDK

Andrew Narva,
MD NKDEP

NHLBI

Barbara Wells
, PhD