# Multifacility Registry

Tom Wood and Shari Meredith

MidMichigan Health

# Background
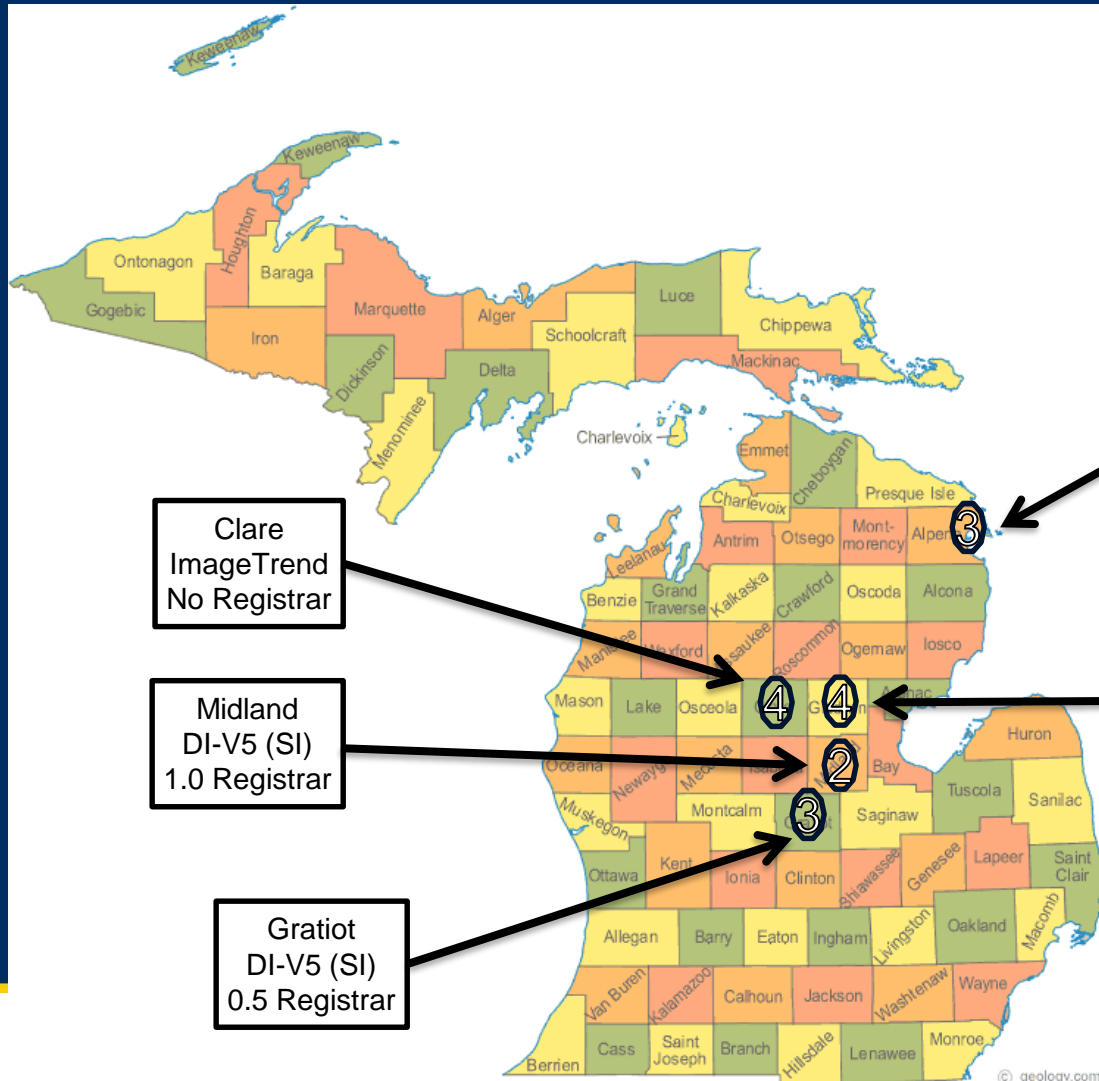
# Organizational Restructure



MidMichigan Health System Trauma Services

Tammy Terrell
Director -Emergency and Critical Care
1.0 FTE

Joneil Conley
Director of Nursing - Gratiot
1.0 FTE

Tom Wood
Director of Trauma & Telemedicine
1.0 FTE

Michelle Brady
Director of Nursing - Clare/Gladwin
1.0 FTE

Deb Pokorzynski
Director Nursing- Alpena
1.0 FTE

Shari Meredith
Trauma Program Manager
Midland
1.0 FTE

Megan Gilman
Trauma Program Manager
Gratiot/ Clare/Gladwin
1.0 FTE

Kelli Jankens
IP Manager
MidMichigan Health
1.0 FTE

Tanya Rouse
Trauma Program Manager
Alpena
1.0 FTE

Michelle Abedrabo
MTQIP Clinical Reviewer
Midland
1.0 FTE

Lori Coppola
System Trauma Registrar
1.0 FTE
Midland

Teresa Rollin
System Trauma Registrar
1.0 FTE
Clare/Gladwin/Alpena

Lori Billingham
System Trauma Registrar
0.5 FTE
Gratiot

# Registry Options

- ImageTrend
  - Eliminated: Did not meet needs for Midland
    - TQIP, MTQIP, complex reporting, etc
- Single Instance DI-V5 at all centers
- Transition to DI-V5 Multifacility
- Explore other registry vendors

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# S.I. vs Multifacility

## Single Instance

- Pros:
  - Same platform
  - No disruption to legacy software
  - Support processes already built
- Cons:
  - Cost
    - 2x Implementation
    - 1.6x Annual
  - Multiple logins
  - No shared reporting
  - Data element variation
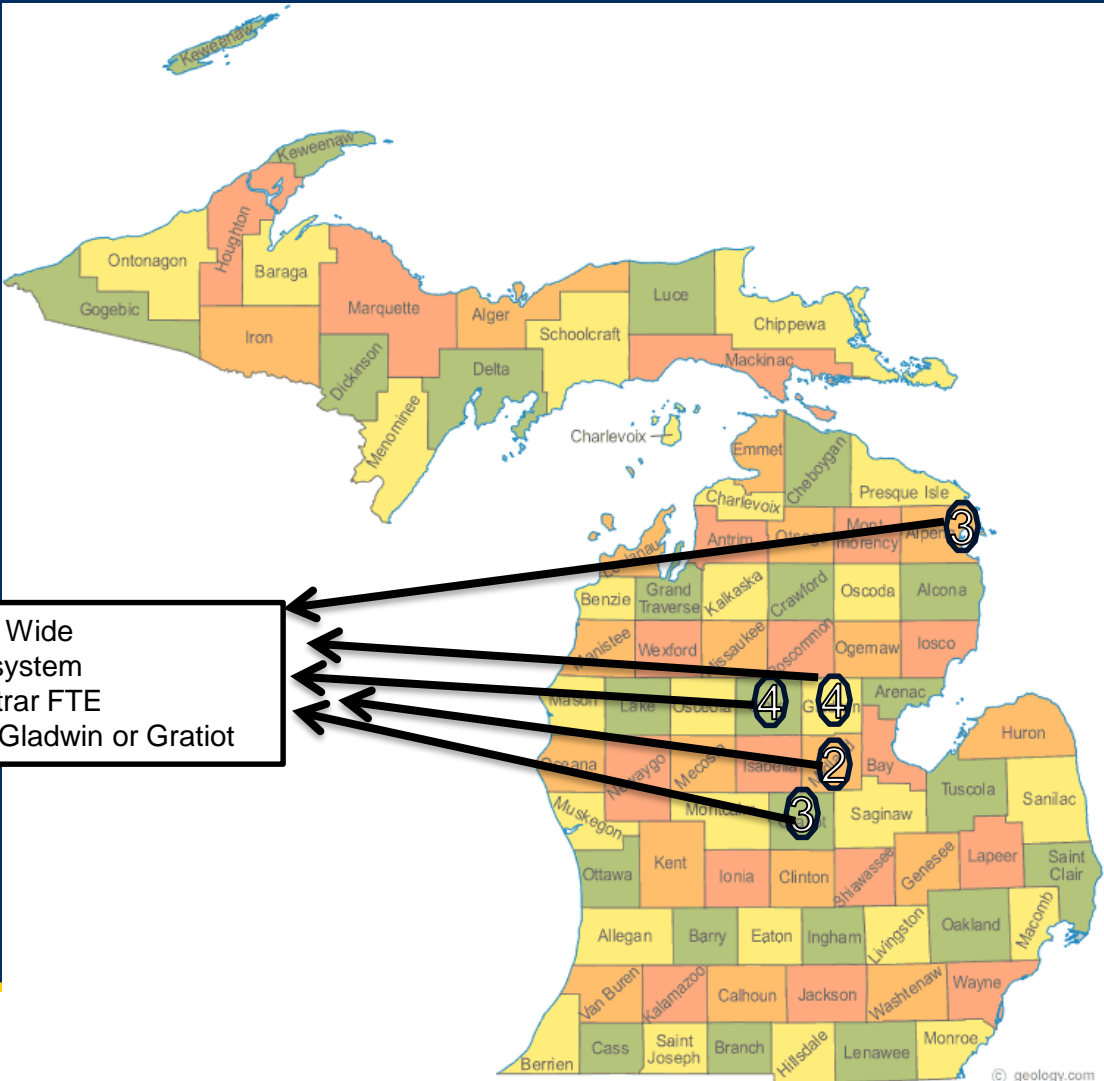
## Multifacility

- Pros:
  - Same platform
  - Cost
  - Shared report writing
    - System data reports
  - No element variation
  - Aligns OPOR model
- Cons:
  - Data migration required
  - MTQIP/TQIP concerns
  - Complete rebuild
  - Process changes for legacy programs

# Before
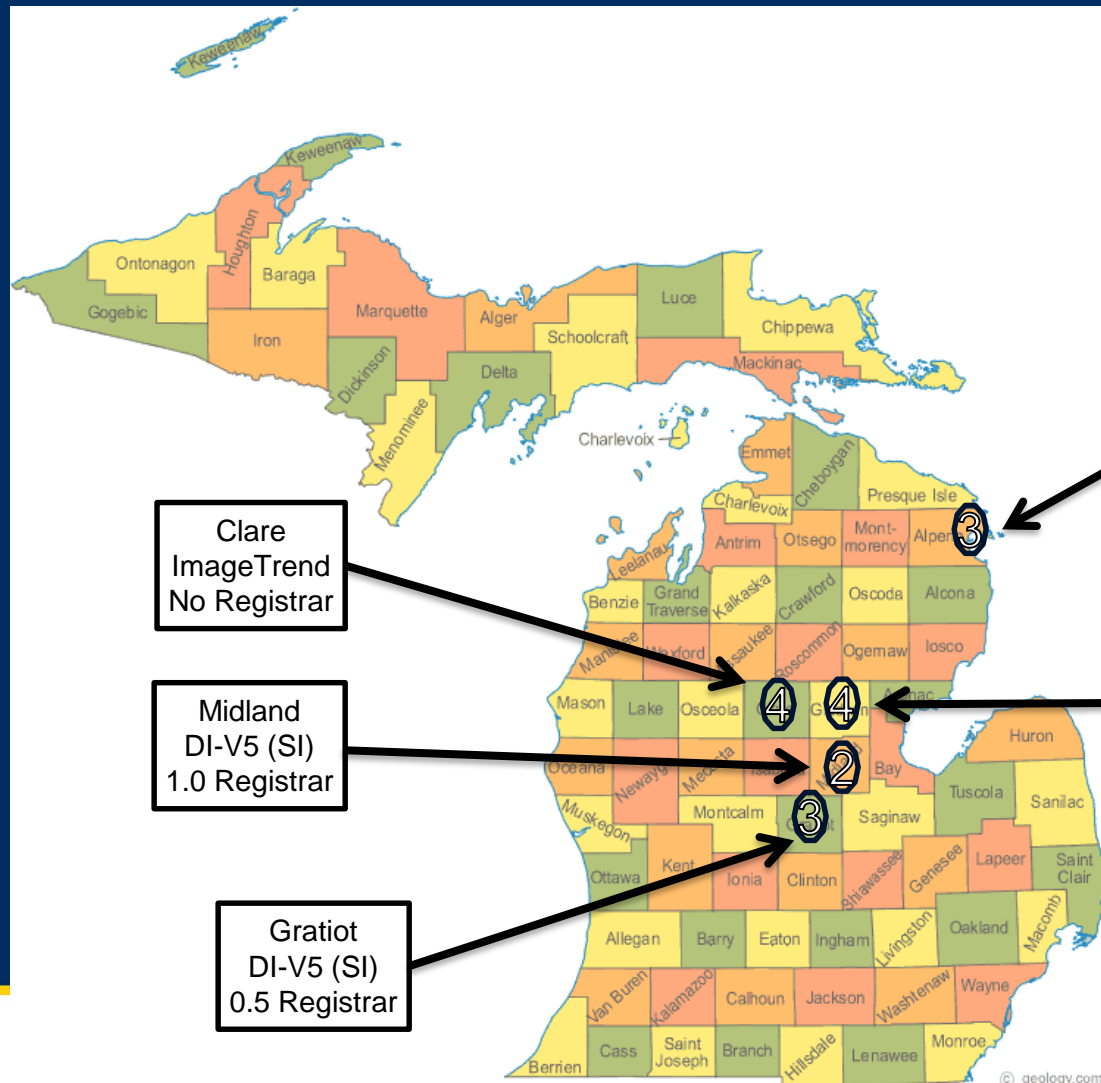
# After



System Wide
DI Multisystem
2.5 Registrar FTE
Housed in Midland, Gladwin or Gratiot

# Implementation Challenges

- Step 1: Put Shari in charge!

  - Step 1b: Hide

- Implementation challenges

  - Alpena, Gladwin and Clare need to submit data to State

  - Midland upcoming reverification visit

  - Need to eliminate all element variation

    - NTDB/TQIP/MTQIP etc

# Implementation Experience

- 11/2016- Multifacility software was installed
  - Initial delays for several weeks due to IT issues and server requirements
- Clare, Gladwin, and Alpena-immediate data entry
  - Retrospective and concurrent data collection
- Strategic delays for transitioning Midland and Gratiot registries until Midland's ACS re-verification visit completed

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# Implementation Experience

Tiered approach to implementation for existing single instance registry.

#1:  Wait until ACS visit completed

#2:  Determine cutover date for entry in "new"multifacility registry while closing  out charts in "existing" registry (Goal 2/1/17)

#3:  Data Migration- work with DI support   to migrate all closed legacy data to the "new" multifacility registry

# Implementation Experience

**Challenges:**

- Additional IT requirements not initially communicated- Have IT involved early in process.

- Delays with implementation of MTQIP/TQIP data module. 1st multifacility registry to utilize MTQIP module.

  - Delayed implementation for 1 month for existing centers.

- Confusion with security access/ roles

  - Log in under correct facility ID

- Favorites/Staff menus were not exported, requiring manual re-entry by registrars

**Success!**

- 3/1/17: All 5 centers transitioned to data entry in multifacility registry

# Data Migration

- Data migration scheduled 60 days after data entry began for all centers (May 2017)
- DI copied/tested legacy registry data to ensure data elements mapped correctly prior to cutover

**Challenges:**

- Registrars required to work out of 2 registries.
- Confusion regarding software updates to legacy registries.
  - Gratiot registry had not received several updates thus incompatible with multifacility registry.  Updates required prior to data migration.

# Results

- Combined volumes give small facilities access to resources including PI Outcomes modules

- High quality data system wide
  - System wide validation process

- Ability to workload balance
  - Ability to cover vacations/turnover/leaves

- One registry helped with EPIC implementation

- Standardized reports

# Results

Continued Challenges:

- Optimizing PI Outcomes modules

- Scheduling Data submission time among registrars

- Re-creation of reports

  - Reporting errors from data from legacy time frames.