



Dive Deep, Explore, and Refine T-MSIS Data

Self-Service T-MSIS Data Quality Tool
A collaboration between Mathematica and NewWave

Agenda

- Description of collaborators
- Discussion on how Imersis improves T-MSIS data quality
- Technology overview
- Live demonstration
- Questions and answers

Speakers

- **Patrick Munis**

Chief executive officer, NewWave

- **Patrick Gerdes**

Senior vice president of operations, NewWave

- **Greg McGuigan**

Executive vice president, state and health business, NewWave

- **Christopher Trenholm**

Senior vice president, health, Mathematica

- **Dustin Getz**

System architect, NewWave

- **Paul Messino**

Senior researcher, Mathematica

Partners in Progress



Mathematica

Illuminating the path to progress



newwave

Solving for the greater good

Data, Methods, Policy, and Practice

- **25+ years working with MSIS or T-MSIS data**
- Rich understanding of data quality assessment methods (DQ Atlas)
- Subject matter expertise in Medicaid programs, state data, and federal T-MSIS file format
- Developed research-optimized version of T-MSIS data (TAF)

Gartner-rated health IT firm

- **15+ years serving CMS**
- Maintains CMS Chronic Conditions Data Warehouse (CCW)
- Modernizing Medicare risk-adjustment data verification (RADV)
- Transforming RADV with Agile cloud migration
- Health care interoperability solutions provider (Onyx)

Partners in Progress

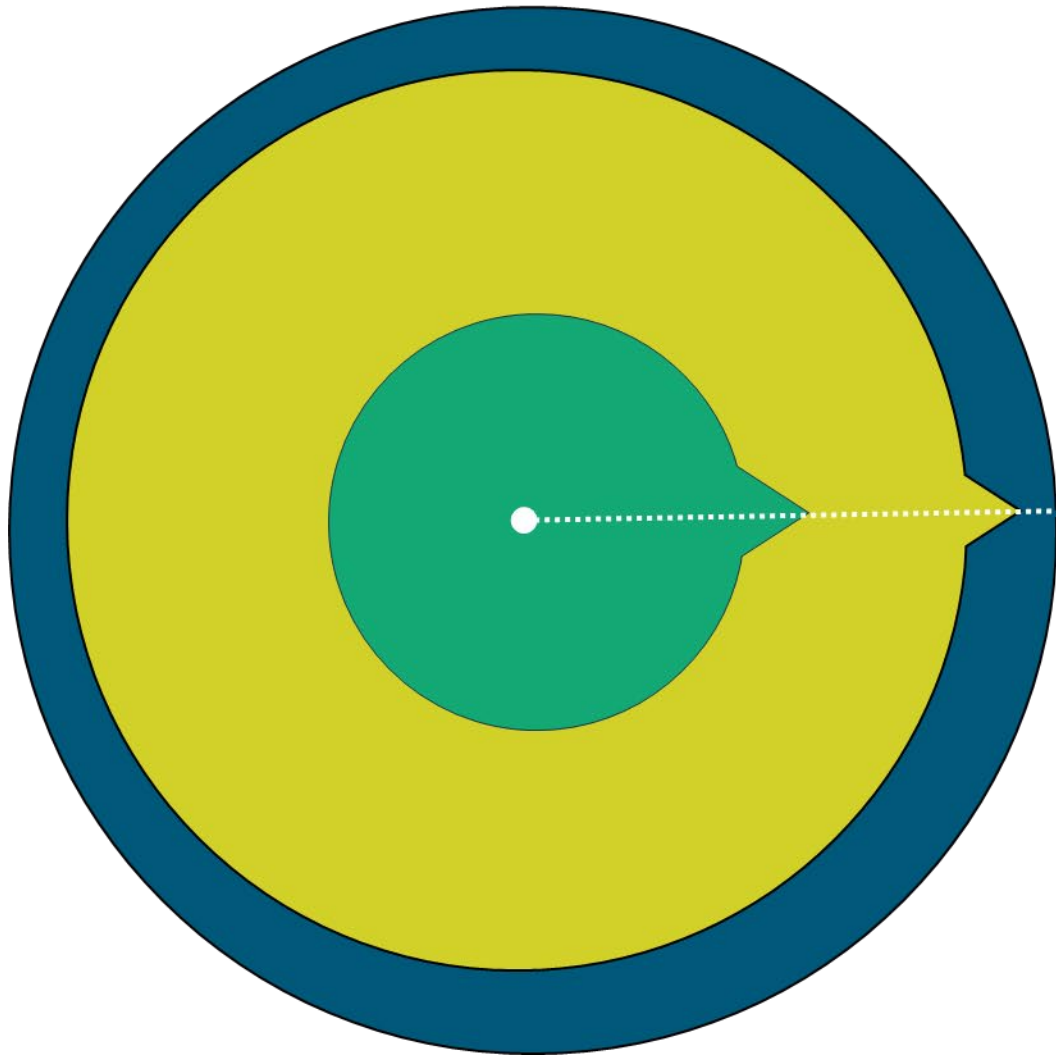


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Challenges & Solutions

Understanding the challenge

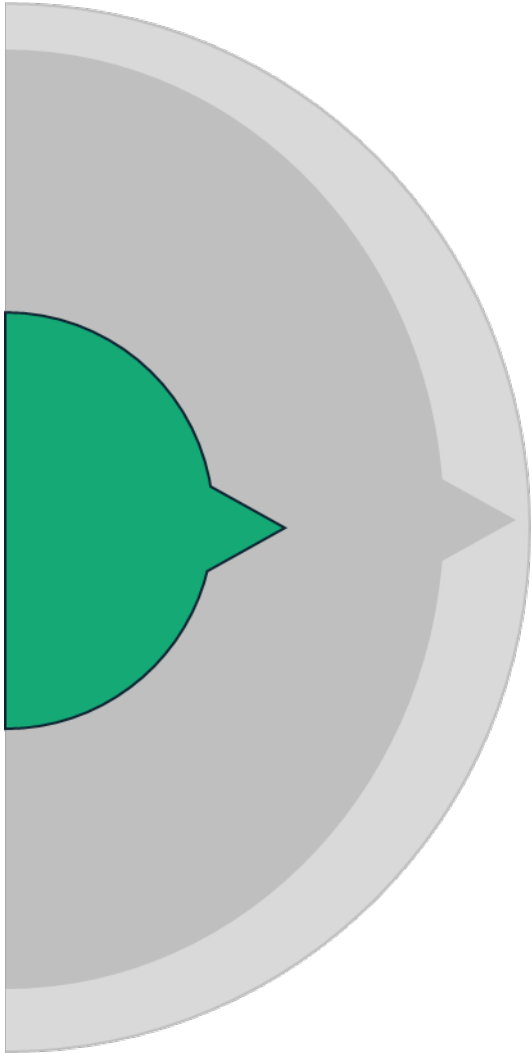


■ It's challenging to pinpoint issues

■ It's difficult to rank, find, and fix data quality issues

■ It's unclear how your T-MSIS data compares to your internal data and reporting

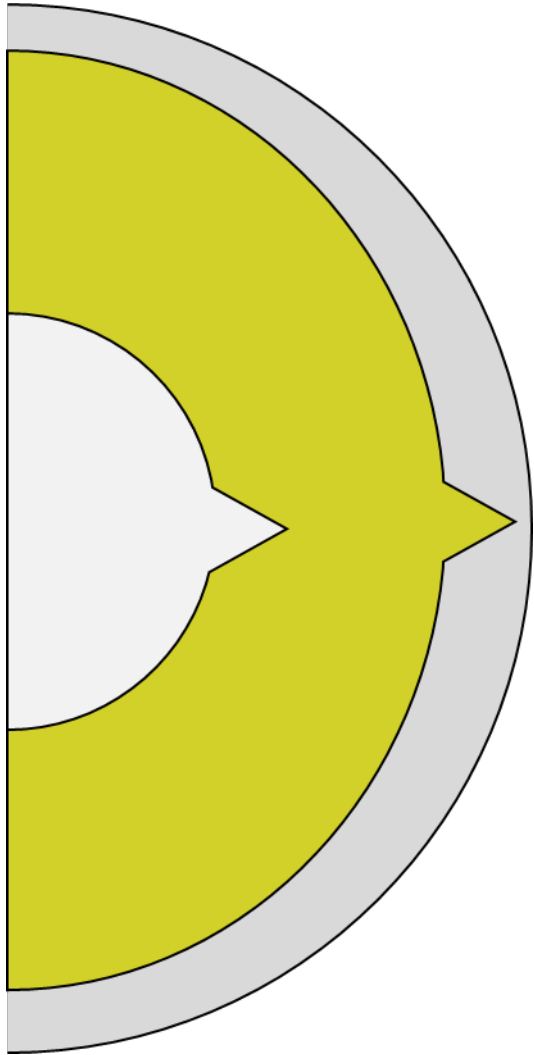
Understanding the challenge, providing solutions



■ It's challenging to pinpoint issues

- On-demand calculations in our secure cloud environment
- T-MSIS Priority Issues (TPI) scores decomposed into measures
- Sample records

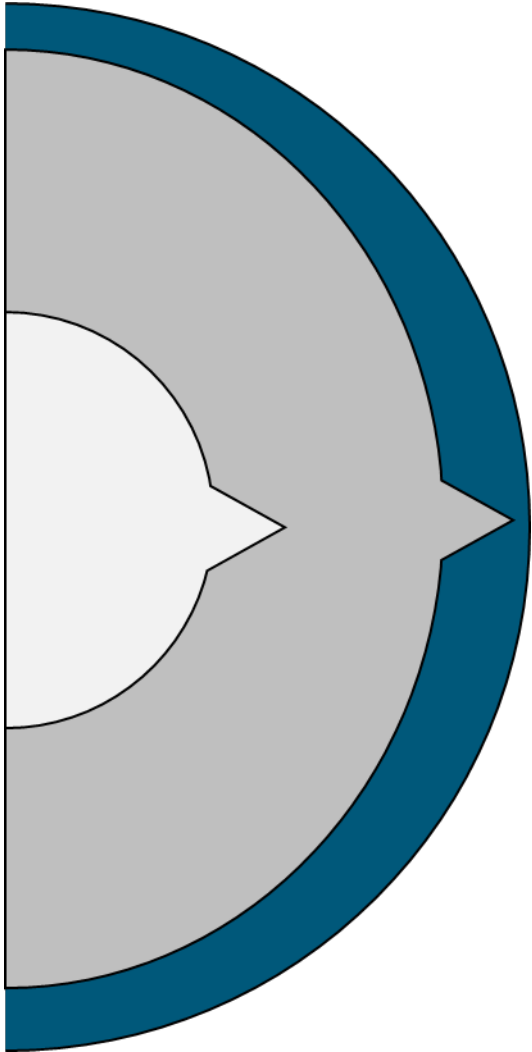
Understanding the challenge, providing solutions



■ It's difficult to rank, find, and fix data quality issues

- Historical data quality results
- Pattern recognition through machine learning and artificial intelligence
- Align quality measures with internal priorities
- On-demand support

Understanding the challenge, providing solutions



■ It's unclear how your T-MSIS data compares to your internal data and reporting

- “My Program”—a dashboard that lets you view your program by priority categories
- Benchmarking to internal and external sources to identify outliers

Why Imersis?

- Receive your TPI score in hours instead of weeks
- Understand your TPI score by drilling down into its component measures and viewing sample records
- Request technical assistance
- View measure results over time
- See your Medicaid program through CMS's eyes
- Introduce data quality assessment as an MMIS module



Technology overview

1 Ingest

- Upload your data files into our secure cloud on your schedule



2 Process

- We score your data



3 Explore

- Use our dashboard to see how your score was computed



4 Remediate

- Remediate quality issues before submitting data to CMS





Live Demonstration

Demonstration setup

- **High-level Issue**

- Validating fixes and detecting regressions on your schedule and before you submit to CMS

- **Specific use case**

TPI 19: Dual-Eligible Coding Incorrect

- EL-3-11—% of eligibles ages 65+ who are duals
- EL-3-15—% of eligibles who are duals



Questions & Answers



For more information

- Visit our website at <https://imersis.mathematica.org>
- Or contact us at imersis@newwave.io