MN Community Measurement

Webinar: PIPE Overview

OCTOBER 28, 2020
Welcome!

Thanks for joining us today.

All webinar participants are in “listen-only” mode. To ask a question, please type your question into the “Q&A” box at the bottom of your screen at any time during the webinar.

MNCM will send a link to presentation slides and the recording to webinar attendees later this week.
Today’s topic: Introduction to MNCM’s PIPE Data Collection System

PIPE is MNCM’s modernized approach to collecting data, calculating measures, and producing performance rates. We’ll talk about:

• What are the rationale and goals for PIPE? What are the benefits?
• How does it work? How is it different from current data collection methods?
• What is the timeline for PIPE implementation?
• High-level overview of implementation process and how medical groups can prepare
MNCM Presenters/Staff

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What problems does PIPE solve?

Outcome measures deliver high value, but can be time and resource intensive to report.

Current methods of data collection are a barrier to more timely data submission & feedback.

Data are more important than ever to inform strategies, achieve goals, and earn financial incentives. Data must be timely to be useful.
PIPE Goals

- Streamline clinical data collection/ reduce burden of data reporting
- Reduce duplication of effort to understand and apply measure specifications
- Reduce time and resources needed for data validation and auditing
- Increase availability of timely and actionable information for providers and health plans
What is PIPE?

Process Intelligence Performance Engine (PIPE)

- PIPE utilizes one specification guide for all measures.
- Organizations that want to be a PIPE Pilot are required to implement this standard for clinical quality submission.
- PIPE Secure Delivery
  - Clinical quality data is submitted to MNCM via a secure file transfer protocol (sFTP) server.
  - Organizations can submit data for measure calculation as often as they need or required.
- PE Data Calculation
  - The MNCM Performance Engine (PE) is able analyze data in real-time to calculate both the clinic’s denominator and numerator for all measures based on the PIPE Specification Guide.
- Timely Data Feedback
  - Clinical quality data can be submitted for calculation as often as a clinic needs or requires.
- PE includes a cross mapping tool to reassign values based on individual clinic requirements and needs
- End of year submission is required to be certified before acceptance.

**Processing and Results**
Developing a Model of Success Through Innovation and Collaboration

- How was the Performance Engine built?
- What measures are available in PIPE?
- Are DDS and PIPE measure results comparable?
- How did you test Process Intelligence?
- Is there a cost for PI?
- Are you still testing PIPE?
How does PIPE differ from the current DDS method?

**DDS Method:**
- Multiple specifications
- Eligible populations for each measure identified by the submitter
- Feedback annually only
- High burden

**PIPE Method:**
- One specification
- Eligible populations for all measures identified centrally by the PE
- Feedback monthly, quarterly, annually
- Low burden
PIPE Data Standard

- Enables calculation of all measures from single set of data files
- Medical groups understand and apply 1 specification vs. multiple under prior method
- Data extraction is simplified to make more frequent submission feasible
- URL: http://www.mncm.org/pipesstandard/

DATA COLLECTION TECHNICAL GUIDE
Process Intelligence Performance Engine (PIPE)
Data File Field Specifications
PIPE Data Standard

MN Community Measurement’s (MNCM) Process Intelligence Performance Engine (PIPE) is designed to quickly analyze data received from a medical group to calculate the denominator, numerator, and rate summaries for MNCM’s entire suite of measures using one set of data files. The PIPE Data File Field Specifications document contains the requirements for these data files.
What is the Performance Engine?

- Secure portal for clinical quality measurement
- Clinics can upload data and run calculations as often as needed
- System supports custom measure periods and data cross mapping
- Both measure and data validation occur during import and results are available to the clinic
- Submission results are available in the portal
Performance Engine (PE)

Dashboard
Welcome, Will! You are logged into TEST Medical Group. The PE Portal will allow you to quickly analyze clinical data and provide real-time denominator and numerator reporting. For more information on how to get started, please click here.

Registration Progress
Fully Registered for 2019

Recent Measure Activities

<table>
<thead>
<tr>
<th>Process Description</th>
<th>Process Type</th>
<th>Status</th>
<th>Last Update</th>
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<td>MeasureDenominator</td>
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<td>Finished</td>
<td>10/06/2020 14:45</td>
</tr>
</tbody>
</table>
Performance Engine (PE) – Medical Group Tools
Performance Engine (PE) – Process Cycle

Clinical Quality Reporting
Clinics that elect to use the PE for measure submission will have their final denominator and numerator calculation completed by the engine and will be able to submit results to MNCM.

PIPE Data Standard
Clinic either uploads PIPE Data Standard manually or utilizes PI to extract standard. Data will be securely placed in a SFTP for importing.

Ad-Hoc Reporting
Clinics can run reports within the PE as often as they refresh data or update custom measure periods.

Data Validation
As data is received by the PE, data goes through an automated validation to ensure all required fields for measure calculation have been received properly.

Denominator and Numerator Builder
Once clinic data has been successfully mapped, the Denominator and Numerator Builder allows organizations to review how their data was calculated for measure results.

Cross Mapping Tool
The Cross Mapping Tool is used by clinics and MNMC to ensure that any custom data mapping that needs to be cross walked can be completed quickly by both parties for proper measure calculation.
What is a Softbot?

*Optional Tech to Support Extraction: Process Intelligence (PI)*

- Softbot is NOT a physical robot
- Softbot is a configurable software
- Sits on top of a company’s existing IT infrastructure
- Pulls data, performs algorithms, creates reports
- Mimics tasks a human would complete
- All about intelligent automation
Digital Work Force

Start

Softbot Starts
Softbot executes and runs at the beginning of each month. Softbot uses previously provided credentials to login to required systems. Credentials are encrypted.

Logic Steps
Softbot begins to compile PIPE Data Standard by interacting with required systems the same way a human staff member would.

Data Delivery
Once all logic steps have been completed and the necessary reports generated, the softbot will deliver the data to the MNQM Performance Engine (PE).

Issues

Human Interaction
Data errors that are encountered by the clinician can be corrected at the source and the bot re-executed.

PE Validation

PE

No Issues
MNCM – Security Program

Firewalls
MNCM Next-generation firewalls monitor incoming and outgoing network traffic and decides whether to allow or block specific traffic based on a defined set of security rules.

Third Party Audits
Third party vendors are used to audit both security, privacy, and compliance.

User Access Control
Through both physical and logical controls, user access and logic controls are monitored and enforced.

DDOS Mitigation
By utilizing specially designed software, distributed denial of service attacks are monitored and mitigated.

Data Encryption
All data is encrypted during transmission and at rest using industry standard encryption.

Vulnerability Scan
Routine network scans to identify vulnerabilities on the network. They are then compared to a database of over 2000 known vulnerabilities which gives us the ability to identify, locate, and the rid the network of potential threats.

Intrusion Detection Systems
A security platform that identifies intrusions by examining network traffic and monitors multiple hosts. Also functions by analyzing system calls, application logs, file-system modifications (binaries, password files, capability, databases, etc.)

Zero Day Penetration Testing
Regular penetration testing against all critical systems using the same tools that hackers would use.
PIPE Software – Enhancement Schedule

What new enhancements are coming to PIPE?

- October 2020 – PIPE Software 1.0 Released
- January 2021 – PIPE 1.1
  - Import & Validation Enhancement
- May 2021 – 1.2
  - Data Export Enhancement for Authorized Uses
How Should a Clinic Prepare to Transition PIPE?
Clinics that are interested in onboarding to PIPE should contact MNCM at support@mncm.org and attend the detailed PIPE Webinar on November 18, and 10 AM.

Even if you are submitting under DDS in 2021, the November PIPE Webinar will give you the knowledge, detail, and understanding on how best to position your clinic to make the transition to PIPE.
Building on our strong foundation: new MNCM initiatives

- Streamline data collection and reduce burden of measurement
- Provide more timely information to support improvement efforts
- Get everyone on the same page about how data are shared between providers and payers, to pave the way for success in value-based payment
Q&A/Discussion

Please type your questions into the “Q&A” box at the bottom of your screen
Thank you!

To learn more about PIPE:
- Attend the November 18 webinar "Preparing to Onboard to PIPE: A Detailed Look at the Process and Requirements"
- Email support@mncm.org with additional questions

Other upcoming events:
- November 12, Health Care Cost and Utilization Report webinar
- January 13, CHIRP webinar
- February 18, MNCM Annual Conference (virtual event)