MN Community MEASUREMENT

MN Community Measurement Webinar: PIPE Onboarding

NOVEMBER 18, 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:

Preparing to Onboard to PIPE: A Detailed Look at the Process and Requirements

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

- What are the goals for PIPE? What are the benefits?
- How does it work? How is it different from MNCM's current data collection method?
- What is the timeline for PIPE implementation?
- What is the PIPE Data Standard and how can we prepare?

MNCM Presenters/Staff

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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.*

- *Organizations can utilize their existing extraction methodologies and technology to submit the PIPE Data Standard.*
- *Clinics can opt to use the MNCM Softbot technology to implement intelligent automation to retrieve and deliver clinical quality data for PIPE submission.*

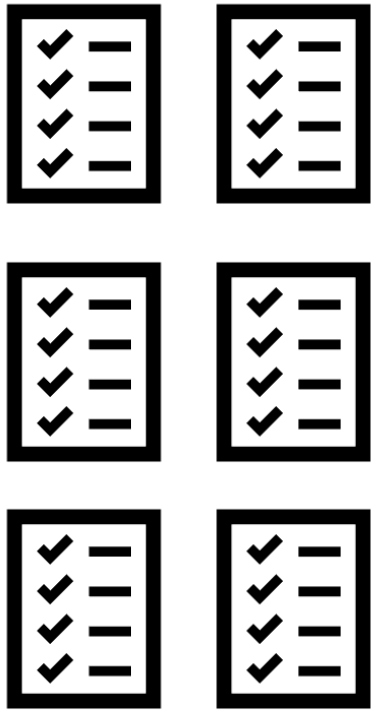
- *Clinical quality data is submitted to MNCM via a secure file transfer protocol (sFTP) server.*
- *Organizations can submit data for measure calculation as often as they need or required.*

- *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. .*
- *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.*

- *Clinical quality data can be submitted for calculation as often as a clinic needs or requires.*

Standard → **Extraction** → **Delivery** → **Processing and Results**

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

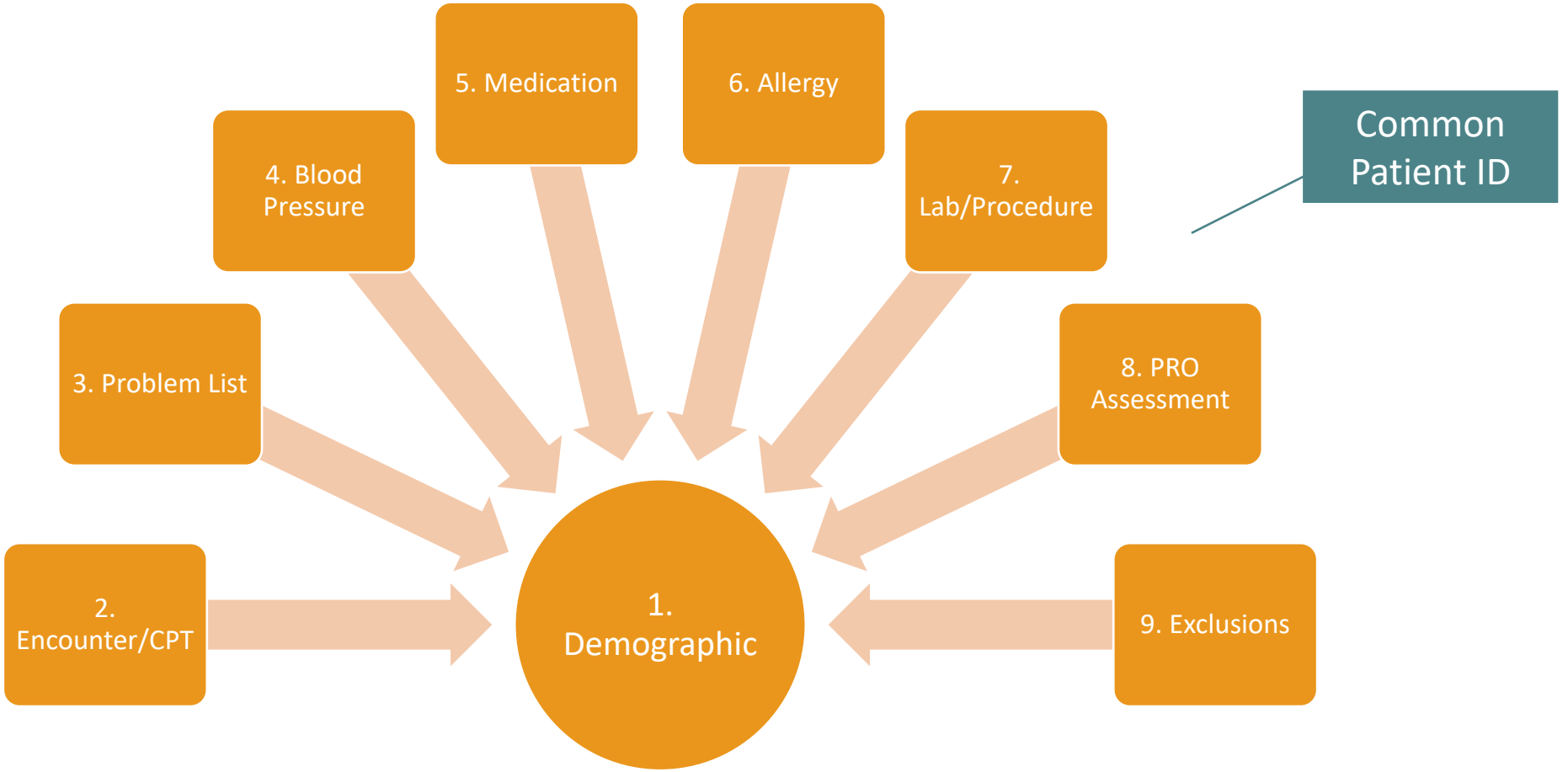
- Enables calculation of all measures from single set of data files
- Medical groups understand and apply 1 specification vs. multiple under prior method
- Data extraction is simplified to make more frequent submission feasible
- URL: http://www.mncm.org/pipestandard/

DATA COLLECTION TECHNICAL GUIDE

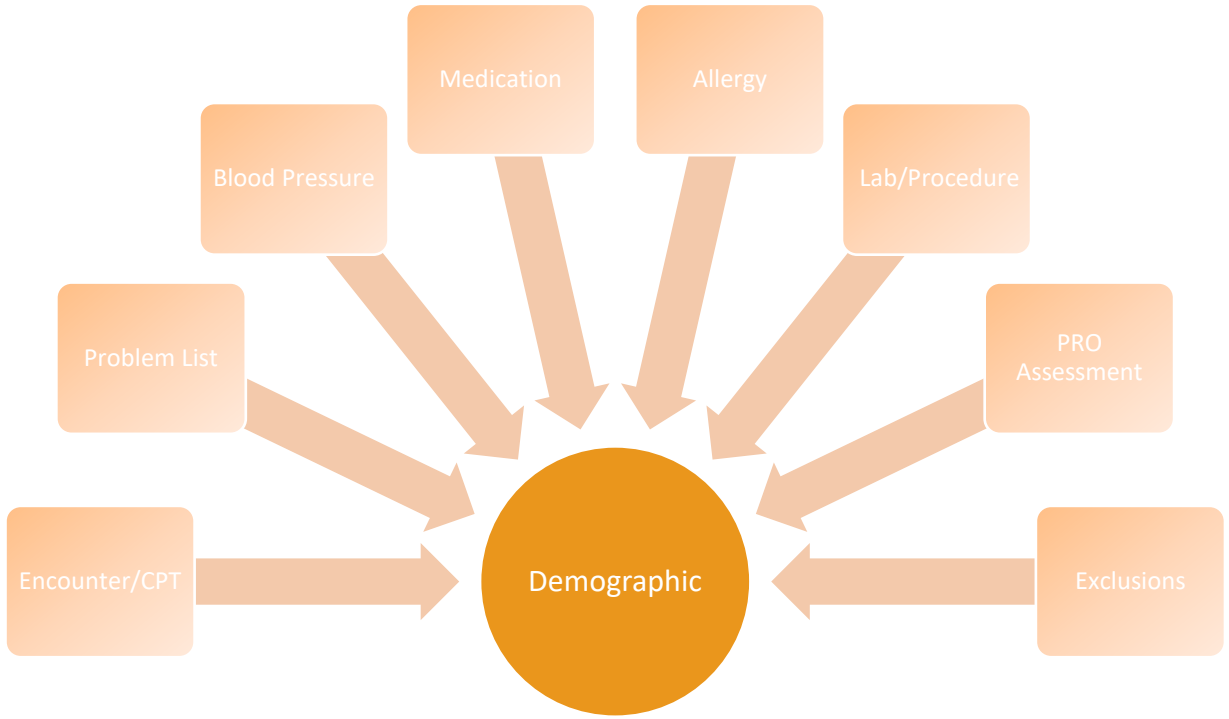
Process Intelligence Performance Engine (PIPE)

Data File Field Specifications

PIPE Data Standard



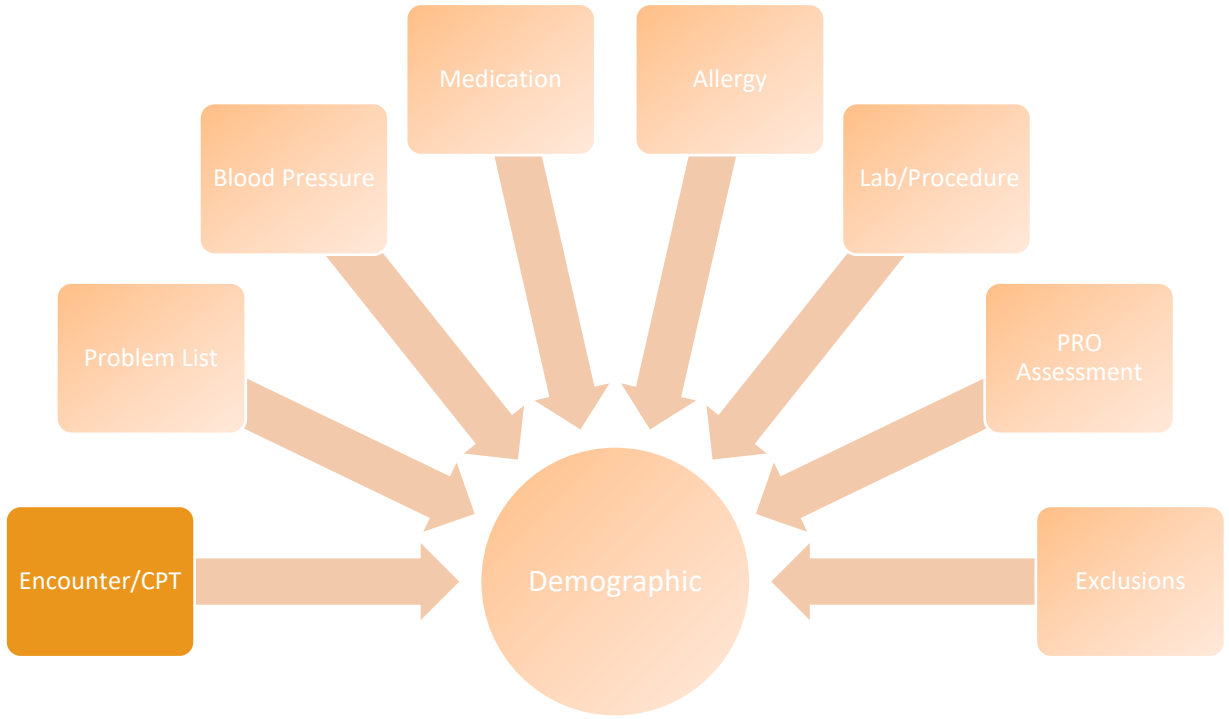
PIPE Data Standard



Demographic File:

- Patient ID (all other files link to this ID)
- Patient date of birth
- Patient sex
- Patient date of death
- Patient status (alive/deceased)
- RELC (Race, Hispanic ethnicity, preferred language, country of origin)
- Patient address, city, state
- Patient zip code
- Primary care provider NPI and clinic
- Insurance and member ID (primary and secondary)

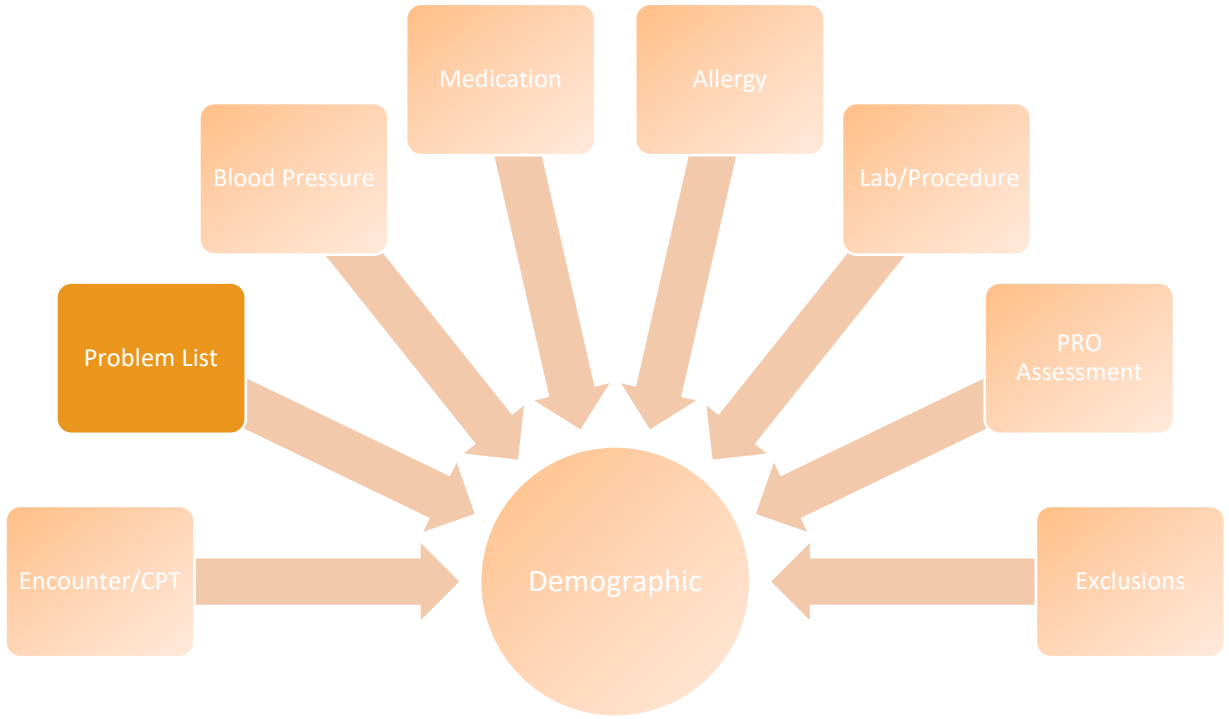
PIPE Data Standard



Encounter/CPT File:

- Patient ID
- Dates of encounters
- Encounter/CPT service codes
- Provider NPI and associated TIN
- Provider specialty and type
- Primary payer
- Height and weight
- Tobacco status (user, tobacco free)
- Diagnosis coding system (ICD-10, ICD-9, SNOMED)
- Diagnosis codes (up to 50)

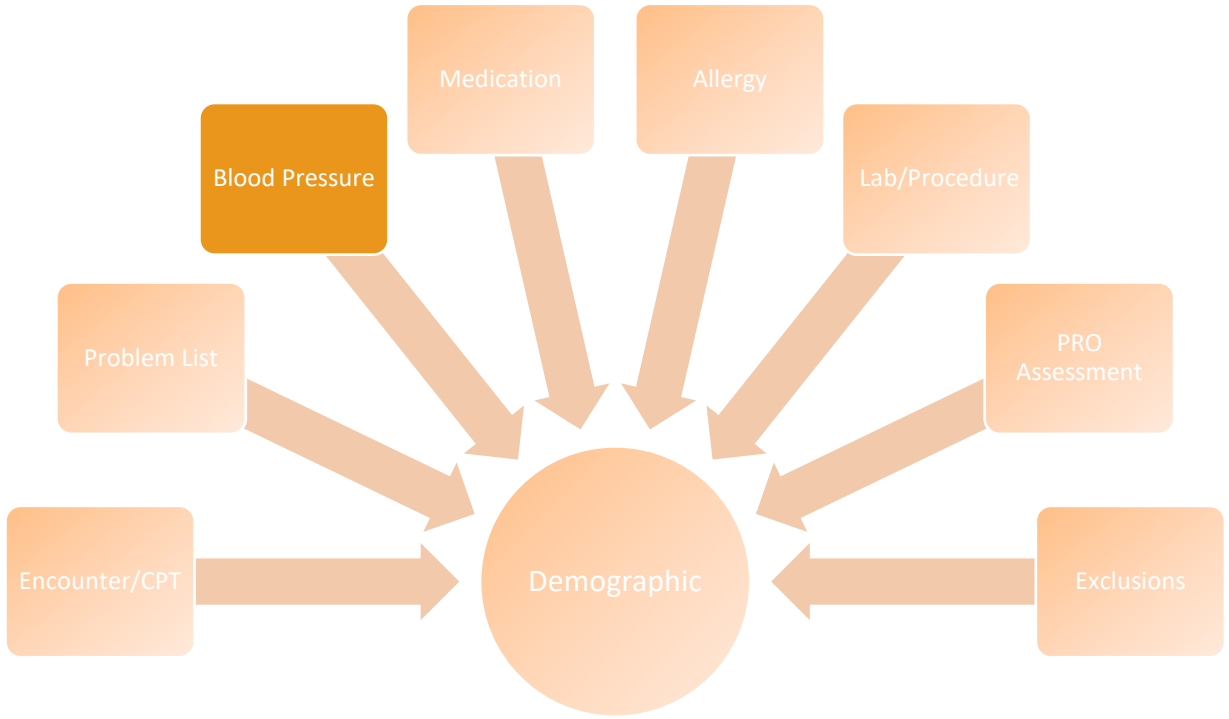
PIPE Data Standard



Problem List File:

- Patient ID
- Diagnosis coding system (ICD-10, ICD-9, SNOMED)
- Diagnosis code
- Start and end dates

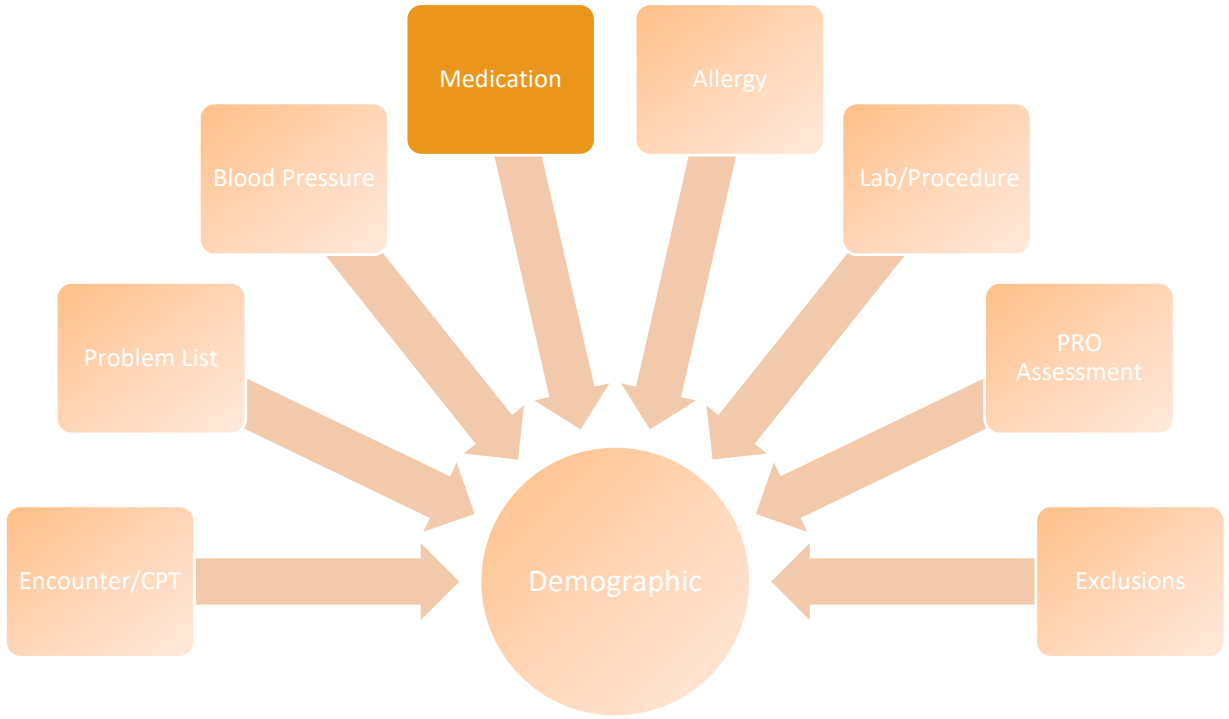
PIPE Data Standard



Blood Pressure File:

- Patient ID
- Blood pressure date and time
- Systolic and diastolic readings
- POS code
- Appointment type (diagnostic test, surgical procedure)

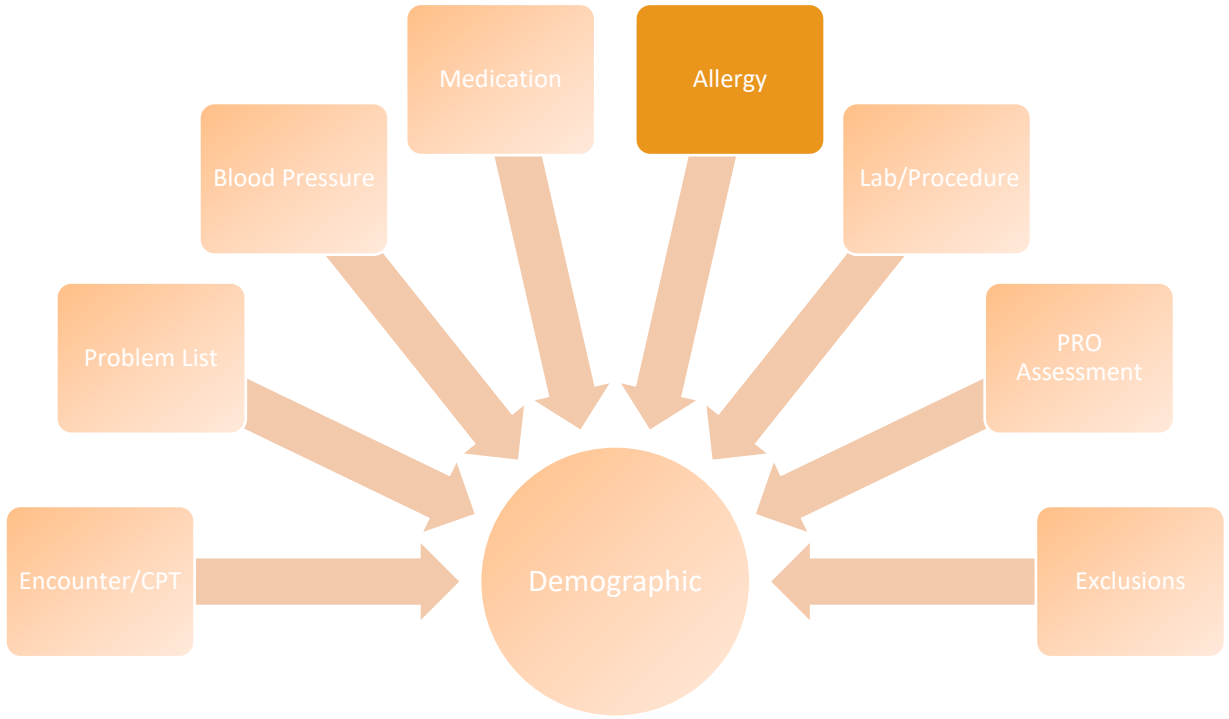
PIPE Data Standard



Medication File:

- Patient ID
- Medication coding system (RxNorm, NDC, other internal coding)
- Medication code
- Other:
  - Status (active/inactive)
  - Prescribing NPI
  - Order and discontinuation dates
  - Frequency (e.g., at least once daily)
- Cross-mapping available

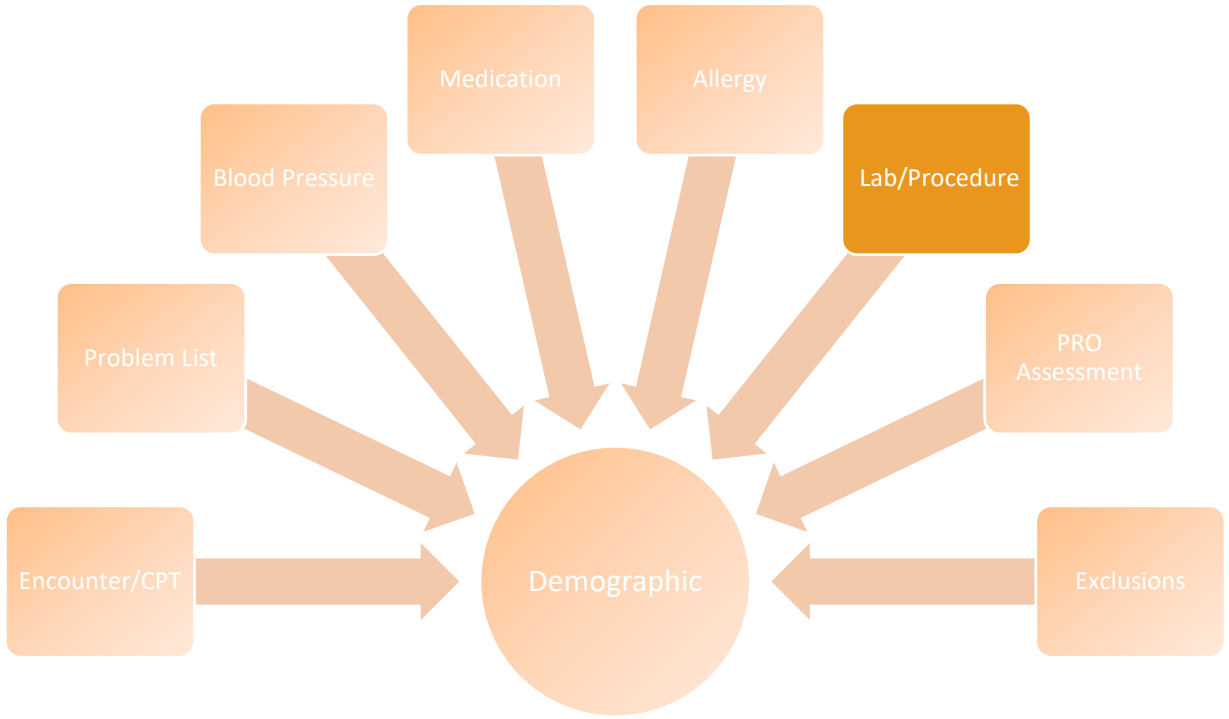
PIPE Data Standard



Allergy File:

- Patient ID
- Allergy coding system (RxNorm, SNOMED, other internal coding)
- Allergy code
- Active/inactive dates
- Cross-mapping available

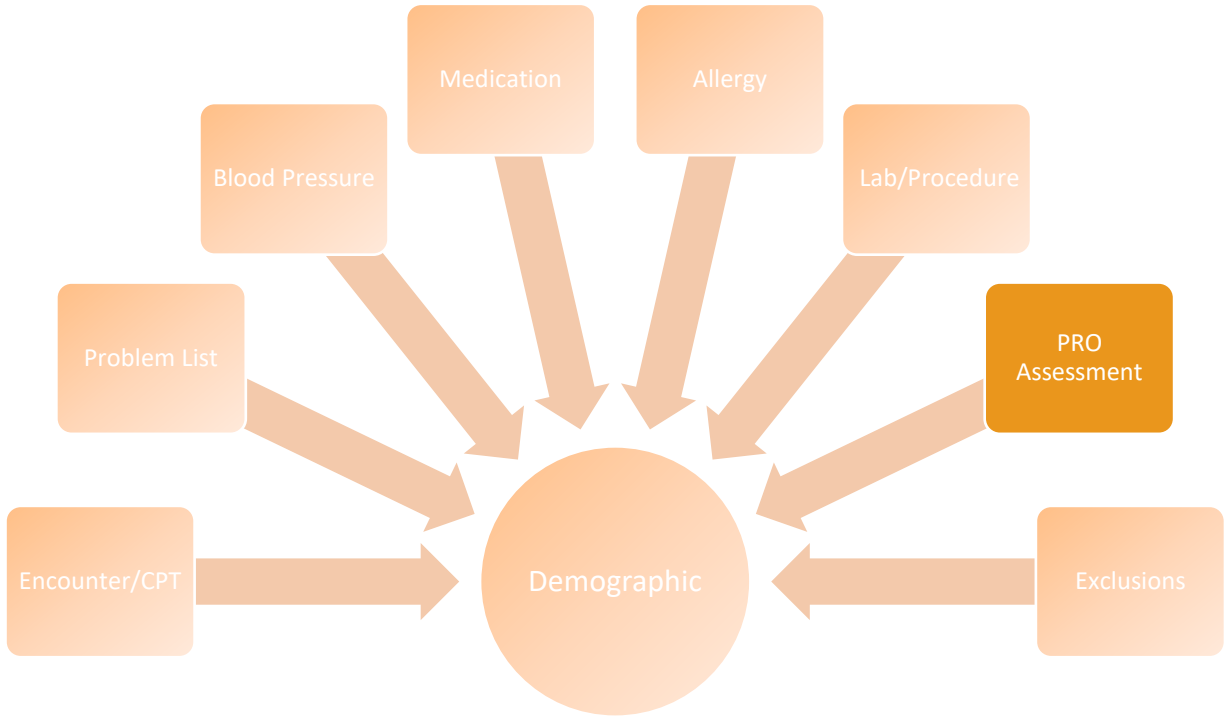
PIPE Data Standard



Lab/Procedure File:

- Patient ID
- Labs:
  - Lab service date
  - LOINC code
  - Lab type (e.g., outside labs)
  - Lab result
- Procedures:
  - Procedure date
  - Procedure code
  - Procedure type (e.g., outside procedures)
  - Knee replacement laterality (left, right)
  - Procedure location and type (hospital, ASC)

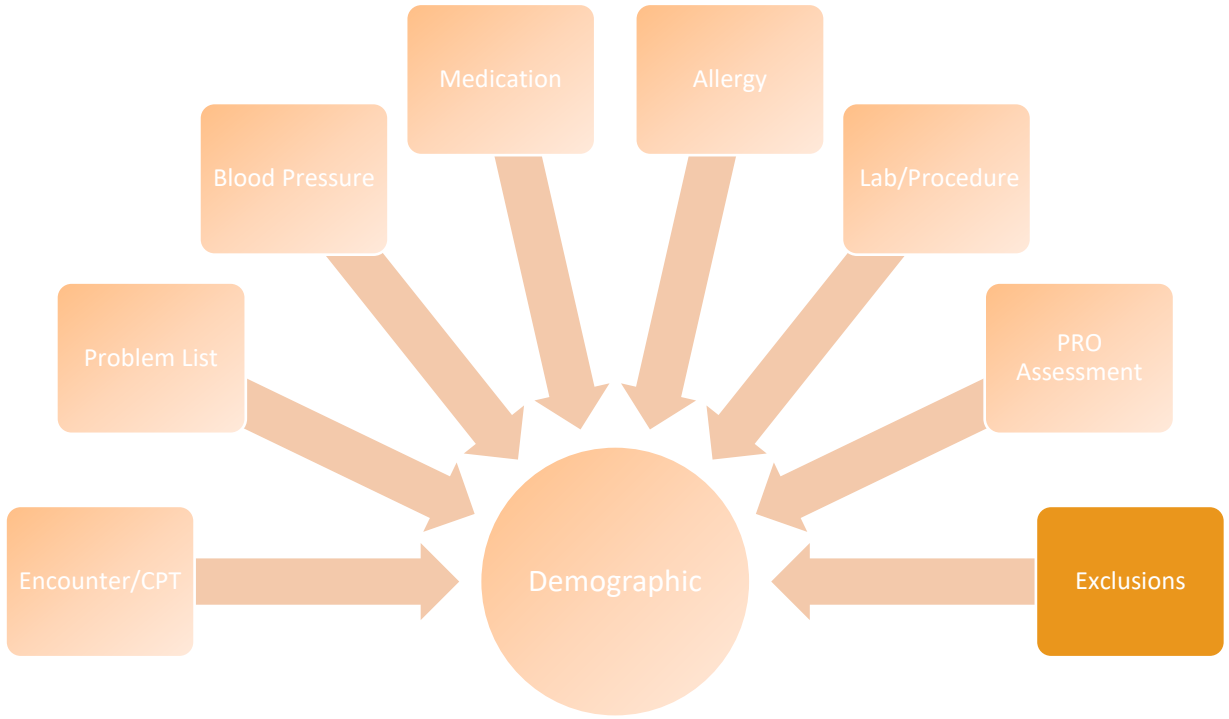
PIPE Data Standard



PRO Assessment File:

- Patient ID
- PRO assessment date
- PRO assessment tool (24 tools)
- PRO assessment tool score
- Area of the body (for ortho measures)

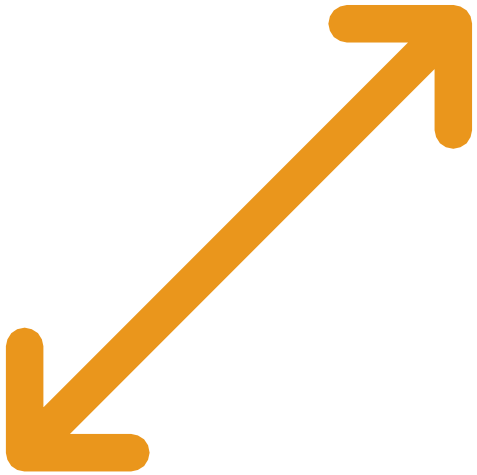
PIPE Data Standard



Exclusions File:

- Patient ID
- Permanent nursing home resident
- Hospice or palliative care, start/end dates
- Institutional Special Needs Plan (yes/no)

PIPE Data Parameters



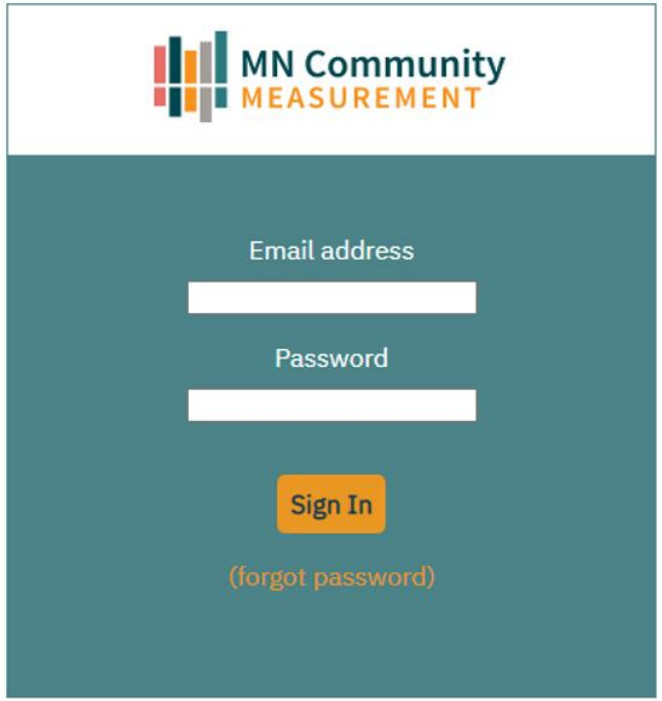
- PIPE collects a broad set of data
- All patients with an encounter in an outpatient setting during a specified timeframe
- Timeframe for the initial “base” data set as well as for subsequent submissions
- All associated demographic and clinical data

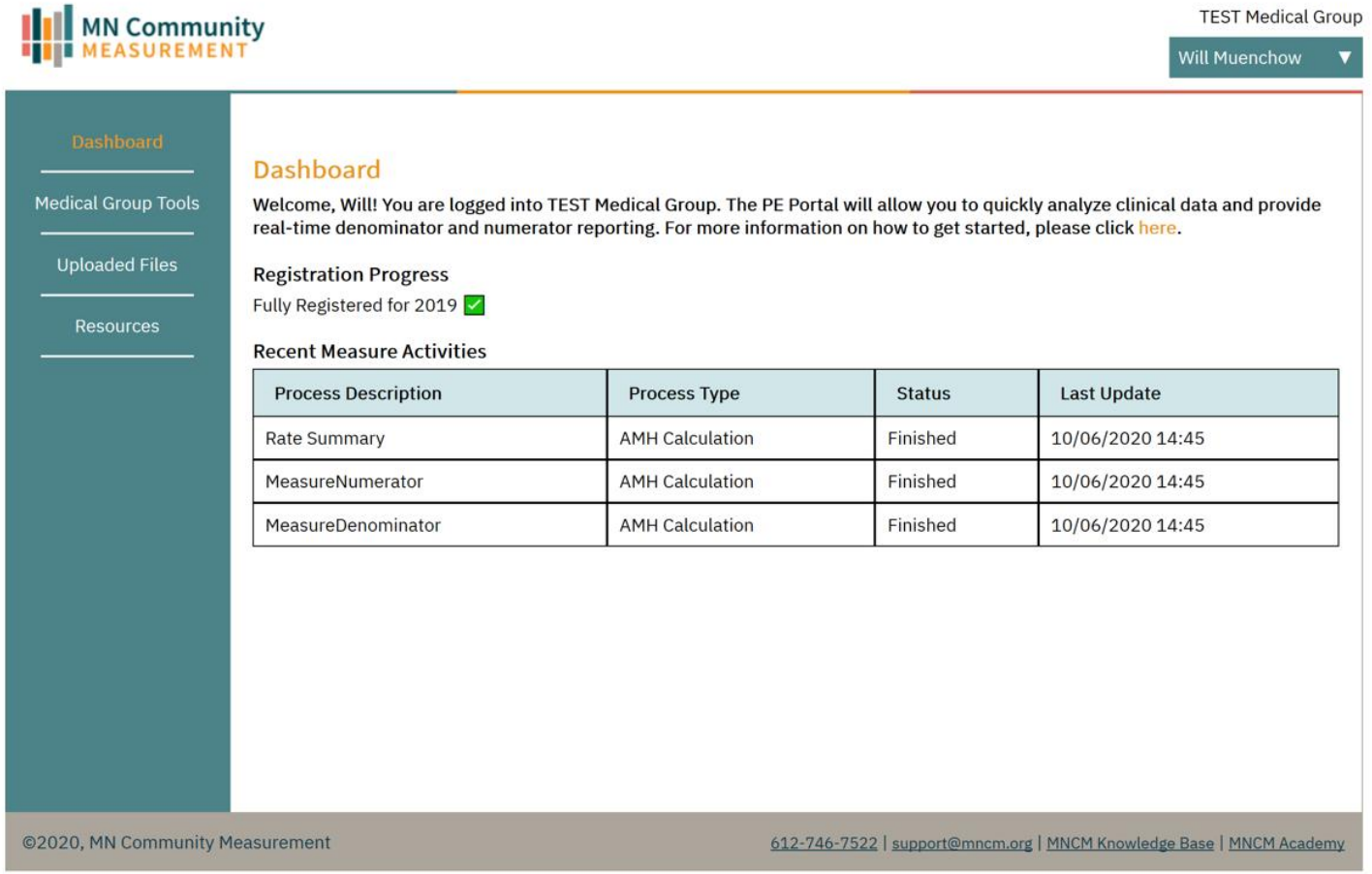
Performance Engine – Clinical Quality Measurement

What is the Performance Engine?

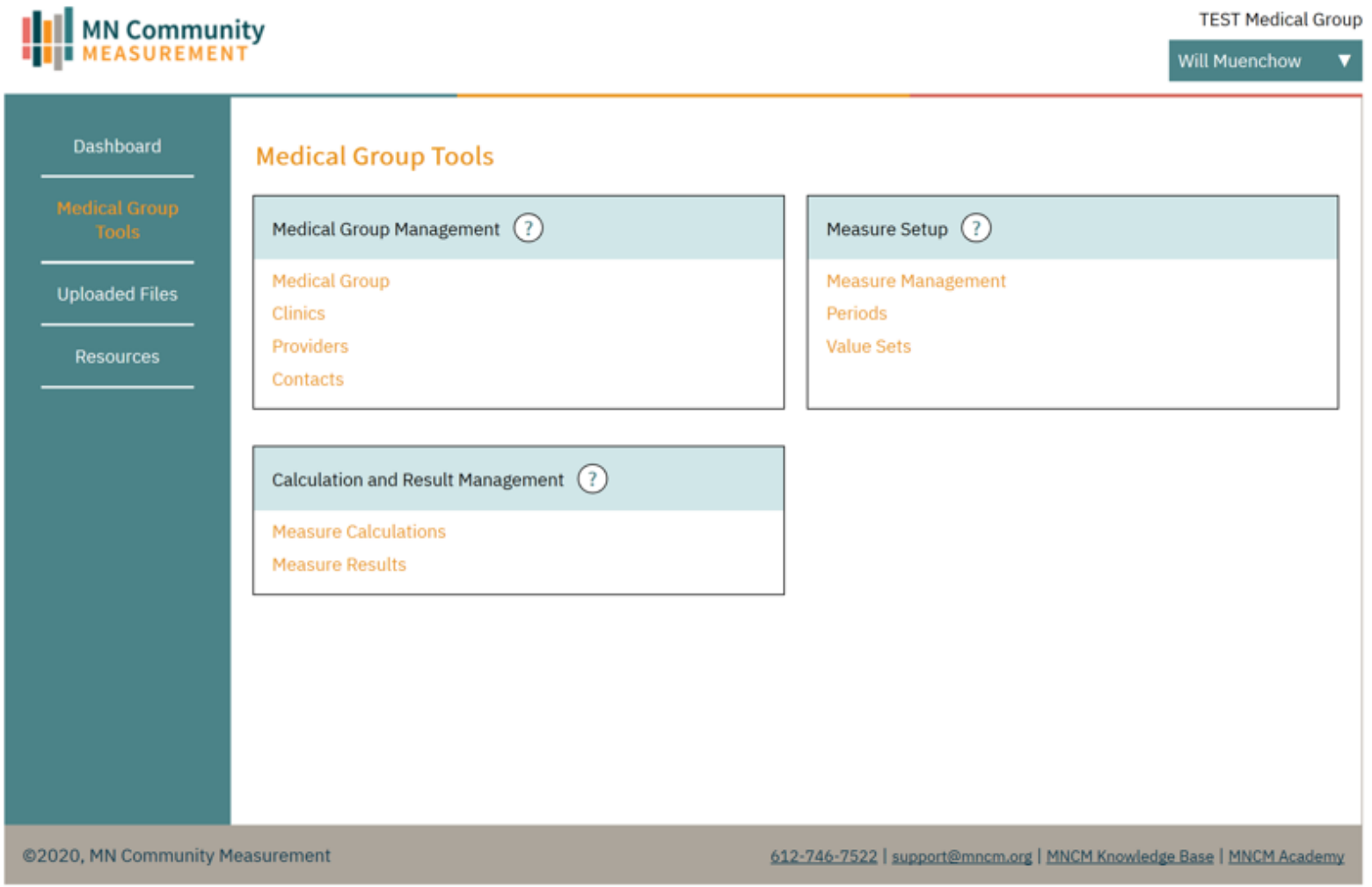
- Secure portal for clinical quality measurement
- Clinics can upload data and run calculations as often as needed
- System supports custom measure periods and data cross mapping
- Both measure and data validation occur during import and results are available to the clinic
- Submission results are available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

Performance Engine (PE)





Performance Engine (PE) – Medical Group Tools



Error Handling in PIPE

Error:

- Missing data (e.g., required data such as patient ID, DOB)
- Record is not written

Warning:

- Unexpected data (e.g., invalid character length)

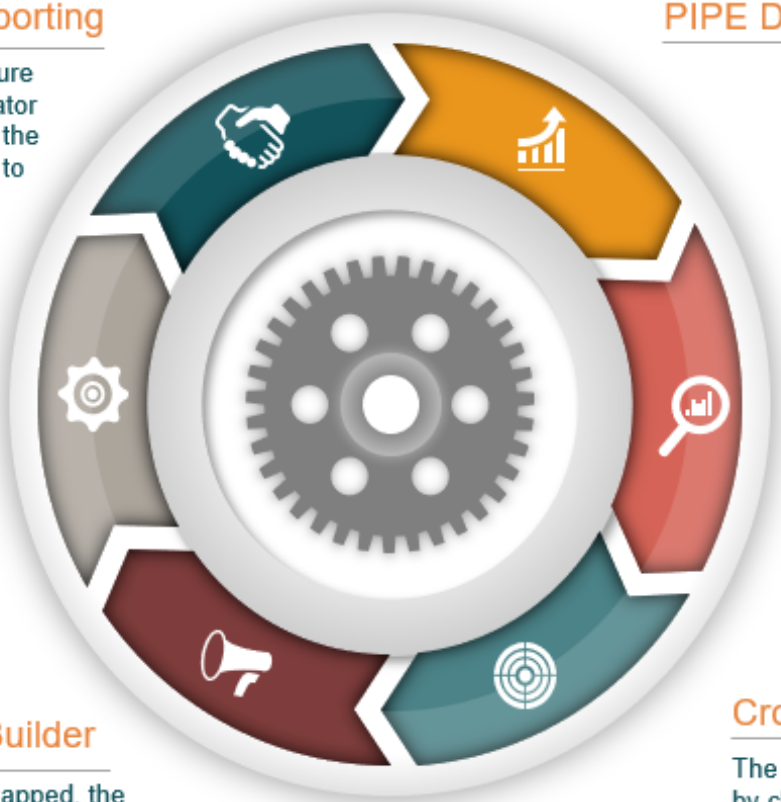
Performance Engine (PE) – Process Cycle

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 MNCM to ensure that any custom data mapping that needs to be cross walked can be completed quickly by both parties for proper measure calculation

PIPE Software – Enhancement Schedule

What new enhancements are coming to PIPE?

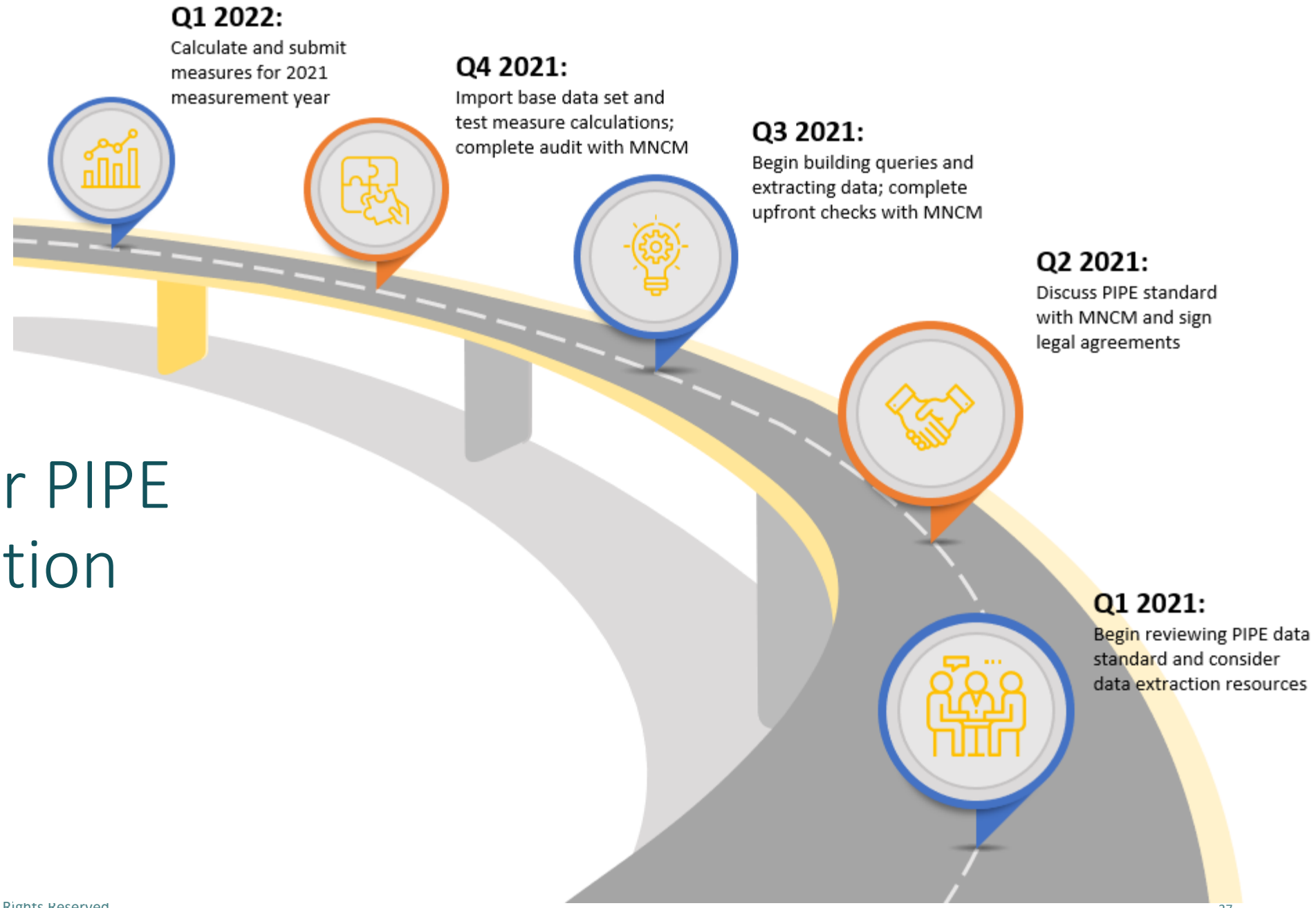
- October 2020 – PIPE Software 1. 0 Released
- January 2021 – PIPE 1.1
  - Import & Validation Enhancement
- May 2021 – 1.2
  - Data Export Enhancement for Authorized Uses

How do we get started?

1. Review the PIPE data standard and consider internal resources needed for data extraction
2. Discuss the PIPE data standard with MNCM and sign legal agreements
3. Complete PIPE training and register on the PIPE Data Portal
4. Begin building queries and extracting data; complete upfront quality checks with MNCM
5. Import data into the Performance Engine, review errors, calculate measures, and complete final validation with MNCM

http://www.mncm.org/pipestandard

Roadmap for PIPE Implementation 2021



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:

- Email support@mncm.org with additional questions

Other upcoming events:

- **January 13**, CHIRP webinar
- **February 18**, MNCM Annual Conference (virtual event)