Welcome & Housekeeping

- All stakeholders in New Mexico’s healthcare community are welcome
- We will record today’s webinar
- Lines will be muted as we begin
- To comment or to ask a question, please ‘raise your hand’ and unmute your line, or
- Direct your question or comment (to everyone, to the presenter, or to the host) in the chat box
Agenda

- **News & Information:** – Michelle Bowdich, Director of Outreach & Communications
- **Special Presentation:** *NMHIC: An essential component of Population Health and Personalized Medicine* – Thomas East, PhD, CEO/CIO, LCF Research and NMHIC
- **User Tip:** *Event Notifications* – April Salisbury, Director of Education and Training

NMHIC News & Information

Michelle Bowdich
*Director of Outreach and Communications*
NMHIC News – New Interfaces

The Holy Cross Hospital **Radiology** interface was moved into **Production** May 7, 2018

• The first request for hospital radiology results was received by Dr. Villarreal at Taos Clinic for Children and Youth
• We thank Holy Cross Hospital for making this a priority for the Taos provider community

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NMHIC News – New Interfaces

**Public Health Reporting**

The Gila Regional Medical Center Syndromic Surveillance feed went into production on

May 11, 2018
NMHIC News – New Participant

Direct Secure Messaging

Kindred at Home offers a variety of services from skilled nursing and rehabilitation to non-medical personal assistance, wherever you call home.

NMHIC News – DIRECT webmail participants

Active Solutions
Armada Physical Therapy
Assured Imaging
First Choice Community Healthcare
Gila Regional Medical Center
Kindred At Home
Las Cruces Physician Practices
Lovelace Health System
Memorial Medical Center & Clinics
Mountain View Therapy Services
New Mexico Cancer Center
Radiology Associates of Albuquerque
Rehoboth McKinley Christian HCS
Tender Care Home Health
NMHIC HIE Participants

- 19 Hospitals Providing Data*
- 4 EDs Using Portal
- > 20 Provider Groups
- NM Medicaid
- 3 Laboratories
- Commercial Payer Organizations
- 2 Home Health
- 3 Diagnostic Imaging Organizations
- 28 Hospitals and 9 Reference Laboratories send public health reporting
- NM Primary Care Assoc. Representing FQHCs

*Additional hospitals are signed up and/or in the queue

NMHIC welcomes additional stakeholders including: more home health, hospice, skilled nursing facilities, behavioral health, professional healthcare associations and ancillary service providers.

NMHIC – How To Participate

Different Levels of Participation Options

We meet you at the level you are at!

1. Direct Secure Messaging
   - Securely exchange PHI with other providers
   - No Electronic Health Record System Required
   - Need Web Access and Documents to Start Process
   - $120 per mailbox per year or $60 pmpy (50% discount) for HIE portal users

2. HIE Portal Access
   - Longitudinal Patient Record for More Complete Information/Notifications
   - No Electronic Health Record System Required
   - Need Web Access, Patient Consent, and Documents to Start Process
   - $150 per provider per year and/or $125 per hospital bed per year

3. Data Sharing
   - See NMHIC technical team for different data sharing options and quotes
   - Certified Electronic Health Record System
   - Patient Consent Not Needed (See EHR Medical Records Act)

Note: Additional participation options available (e.g. Public Health Reporting, Data Analytics, LCF Health Services Research, etc.)
NMHIC News – New Advisory Member

Meggin Lorino, Executive Director, New Mexico Association for Home & Hospice Care

The New Mexico Health Information Collaborative - Statewide Health Information Exchange, would like to extend a warm welcome to our newest Advisory Committee member, Ms. Meggin Lorino, Executive Director, NMAHHC. Meggin oversees the needs of NMAHHC members and adequately represents their interests at the local, state, and national level.

NMHIC – In The News

True Health New Mexico has created an advanced analytic system that uses data from health plan claims and the New Mexico Health Collaborative - Statewide Health Information Exchange to identify and stratify members who are at health risk and intervene before avoidable health issues occur. We appreciate our partnership with Dr. Mark Epstein, CMO, and the True Health team. Learn more here: https://linkd.in/eeVTjD
New Mexico Health Information Collaborative (NMHIC)

An essential component of Population Health and Personalized Medicine

Thomas East, PhD, CEO/CIO

Future State: NMHIC Data Integration and Care Coordination

Clinical Care - Behavioral Health - Social Services
A vast amount of untapped data could have a great impact on our health.

60% from exogenous sources
30% from genomic sequencing
10% from health systems

80%-90% of health determinants are NOT related to health care

Other Determinants of Health:
- Environmental
- Economic
- Activities
- Nutrition
- Social

Shared nationwide interoperability roadmap

Amadeus | Handling Data Complexity

Healthcare is changing from a closed community into an ecosystem centered around the patient and their record, which will include many elements not traditionally captured.

Precise Health

- Patients and Circle of Care
- Payer Data
- User Generated Data (Engage, HealthKit)
- NEW Data Sources
  - Genomics
  - Web and social networking-based data
  - Health Publication and clinical reference data
  - Business and organizational data
  - Environmental data

Custodian of the Patient’s Medical Record

TRADITIONAL Data Sources
- Doctors, Nurses and other Providers
- Hospitals
- PCPs
- Labs
- Radiology
- Pharmacy

Doctors, Nurses and other Providers

Machine Learning and Thinking Software

Labs, Tests

Engage, HealthKit

Public Health

Labs/Rads

Payer Data

HIEs

Public Health

Orion Health Amadeus

Orion Health | Market Evolution

Personalized care based on clinical, social, genetic and behavioral factors for the individual

Data aggregation from multiple sources

Stratify and Manage Patient Cohorts

HIE

NMHIC today

- DOH Epidemiology
- NM Poison Control
- Reports on ED and inpatient admissions sent daily to payers
- Reports on 30 day readmissions
- Payers use NMHIC for care management for their insured population
- Geo-mapping reporting on many measures
- Risk analysis
- Quality Measures

The concept of precision medicine is really what the words say - become more precise. This is a process... not an event.

Maurie Markman, MD, MS (President of Medicine & Science, Cancer Treatment Centers of America)
Analytics: Volume and Market Share Dashboard

This chart shows that the selected hospital has 81% of market share for orthopedic surgery cases within County.

And the highest volume procedures.

This is where patients come from.

Analytics: Readmission Risk Management Dashboard

This visual shows the number of inpatient encounters by 30 day readmission risk level.

The map shows where these patients originate.

These charts show distribution of patients by chronic disease, service line, and diagnostic category.
ONC Alternative Payment Model Framework Category 2 Mapped to Orion Health Capabilities

<table>
<thead>
<tr>
<th>ONC’s Recommended Health IT Infrastructure</th>
<th>Orion Health Corresponding Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Data Aggregation &amp; Attributeation</strong></td>
<td></td>
</tr>
<tr>
<td>Limited <em>claims data</em> sent from payer to provider organization</td>
<td>Amadeus Platform - Payer Data Spaces</td>
</tr>
<tr>
<td>Organization data warehouse to combine clinical &amp; claims data</td>
<td>Amadeus Platform</td>
</tr>
<tr>
<td>Linking of organization’s patient data to limited <em>data set from payers</em></td>
<td>Amadeus Platform – Data Spaces, EMPI</td>
</tr>
<tr>
<td><strong>Quality Measurement</strong></td>
<td></td>
</tr>
<tr>
<td>Near real-time, provider-based eCOMs</td>
<td>Amadeus Analytics – ACO/CQM Management</td>
</tr>
<tr>
<td>Majority of CQMs are eCOMs and can be reported to multiple payers</td>
<td>Amadeus Analytics – ACO/CQM Management</td>
</tr>
<tr>
<td>Closed referral loop</td>
<td>Orion Health Coordinate - Clinical Referrals</td>
</tr>
<tr>
<td>Shared care plan integrated with EHR and available to entire clinical care team, patient &amp; their caregivers</td>
<td>Orion Health Coordinate</td>
</tr>
<tr>
<td>Event notifications integrated into workflow</td>
<td>Amadeus Platform - Notifications</td>
</tr>
</tbody>
</table>
### ONC Alternative Payment Model Framework Category 3 Mapped to Orion Health Capabilities

<table>
<thead>
<tr>
<th>ONC's Recommended Health IT Infrastructure</th>
<th>Orion Health Corresponding Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aggregate (multi-payer) adjudicated claims data &amp; multi-organization clinical data that's available to all participants in APMs</td>
<td>Amadeus Platform - Data Spaces</td>
</tr>
<tr>
<td>Interoperable Provider Directory – hierarchical &amp; relational</td>
<td>Amadeus Platform</td>
</tr>
<tr>
<td>100% accurate linking of claims and clinical data from multiple organizations</td>
<td>Amadeus Platform – Data Spaces; Amadeus Analytics - Registries</td>
</tr>
<tr>
<td>Real-time, patient-centric eCQMs calculated across systems or contracts</td>
<td>Amadeus Analytics – ACO/CQM Management</td>
</tr>
<tr>
<td>Near real-time benefit eligibility information &amp; evidence-based CDS available at time of order</td>
<td>Not yet available</td>
</tr>
<tr>
<td>Real-time risk scores from claims &amp; clinical data</td>
<td>Amadeus Platform – Data Spaces; Amadeus Analytics</td>
</tr>
</tbody>
</table>

### ONC Alternative Payment Model Framework Category 4 Mapped to Orion Health Capabilities

<table>
<thead>
<tr>
<th>ONC's Recommended Health IT Infrastructure</th>
<th>Orion Health Corresponding Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real-time, patient-centric eCQMs calculated across a set population</td>
<td>Amadeus Analytics – ACO/CQM Management</td>
</tr>
<tr>
<td>Shared care plan integrated with any system &amp; available to entire care team (clinical, community-based/social services, patient &amp; caregivers)</td>
<td>Orion Health Coordinate; Amadeus Platform with EMR SSO or EMR Connect</td>
</tr>
<tr>
<td>Event, care gap, and change in risk score notifications integrated into workflow</td>
<td>Amadeus Analytics; Amadeus Platform with EMR SSO or EMR Connect</td>
</tr>
<tr>
<td>Provider value score available at time of order – cost &amp; quality</td>
<td>Amadeus Analytics — Cost &amp; Utilization Dashboards</td>
</tr>
<tr>
<td>Real-time disease-specific risk scores from claims and clinical data</td>
<td>Amadeus Platform – Data Spaces; Amadeus Analytics</td>
</tr>
<tr>
<td>Real-time risk scores from claims, clinical &amp; socio-economic data</td>
<td>Amadeus Platform – Data Spaces</td>
</tr>
</tbody>
</table>
Amadeus | A Single Integrated Platform With Multiple Apps

QUESTIONS FOR DR. EAST?
HIE User Tip: Notifications to the Care Coordinator

April Salisbury
*Director of Education & Training*

Notification of Patient Events for Care Management Teams
Notifications are Dependent on Relationships

Notifications are based on relationships between organizations, providers, and patients.

A relationship is stored as clinical messages (ADT and ORU HL7 messages) flow into the HIE from organizations. This includes the identity of the provider and the type of relationship that person has with the patient (i.e. primary care provider, attending, ordering, admitting, etc.).

Creating Relationships with HL7

Patient’s name is always in messages

Care Coordinators’ names are never in messages

Doctor’s names are usually somewhere in messages, but may not be coded properly
Notifications are Dependent on Relationships

We have the ability to upload a relationship table, creating a relationship to those who are not a provider of record (i.e. care coordinator or providers that do not yet send data)

Creating Relationships with HL7

Patient’s name is always in messages

Care Coordinator notifies or forwards messages to healthcare team

System identifies the “Care Coordinator” as having a relationship with patient
Subscribing to Notifications

Notifications can be received daily in a report, or instantly, via a special portal account.

aka, “The Mailman”

This user subscribes to the types of events and methods of delivery desired

Next month’s webinar

How New Mexico providers can use data for value-based success

June 19, 2018
Miss a webinar?
https://www.nmhic.org/events

Hyperlinks to recordings are now available!

Next Time

Not an HIE User yet?
Direct inquiries to Michelle Bowdich, (505) 938-9909 or michelle@nmhic.org

Next date:
06/19/18, 11:30-12:30 pm