

# Digital Health Interoperability: How Can We Exchange Data Safely?

### **A Behavioral Health Story**

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#### Who We Are

- Clinically Integrated Network based in Pittsburgh, PA
- Integrated Delivery and Financial System
- Provider arm to Highmark Health
- Variety of Patient Care Settings
  - 8 hospitals and 6 surgery centers
  - Outpatient offices with 4 health & wellness pavilions
  - 1700 employed physicians | 17,000 employees
  - Academic affiliations & programs
  - In progress: 5 oncology centers, 4 microhospitals, one acute care hospital
- Implemented Epic 10/1/14









## **Epic** is Foundational to Building an Integrated Healthcare Delivery System

#### **Strategic and Realized Benefit**

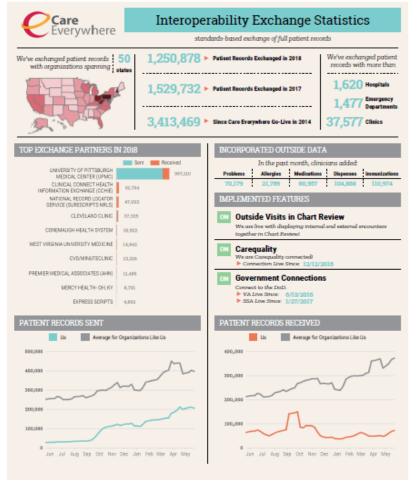
- To deliver a unified patient care record to improve quality, safety, value, and satisfaction for patients and caregivers
- 8 hospitals are live:
  - Forbes Hospital
  - Allegheny General Hospital
  - West Penn Hospital
  - Jefferson Hospital
  - St. Vincent Hospital
  - Westfield Hospital
  - Allegheny Valley Hospital
  - Canonsburg Hospital
- Employed physicians at the Allegheny Clinic are all live
- Community Connect with over 200 implemented and potential providers

#### **Highlights**

- Hospitals received HealthCare's "Most Wired" designation
- AHN is Epic Gold Stars level 6 making us in the top 15% of their customers for effective use of their software
- Epic MyChart for patients
  - Approaching 300,000 users
  - Video visits and consults available
- Care Everywhere (HIE)
  - Exchanges in all 50 states
  - Exchanged over 1.5M records in 2017
- Healthy Planet suite for population health utilized for all chronic care paths
- Predictive analytic scoring implemented



Allegheny Health Network Data For: June 2018



### Care Everywhere

- Health Information Exchange
- CCD transmission
- Includes discrete information
- AHN utilizes standard Care
   Everywhere exchange
   technology (Epic-Epic), variety
   of Epic-non-Epic connections,
   and Direct messaging



### The Story

- Quartet, a National provider of behavioral health services engaged Highmark Health in 2016 as a third part vendor agreement to facilitate delivery of needed behavioral health services in our region
- Quartet offers curb side consults via phone as well as referral/connection services within our region to local providers
- Initial process
  - Separate Quartet website used to place referrals
  - Same web site used to follow patient progress
  - No way to know when the initial evaluation nor follow up was completed
  - Utilization was limited
- Considerations included interfaces or adding human capital to the work flow
- Direct messaging was ultimately used

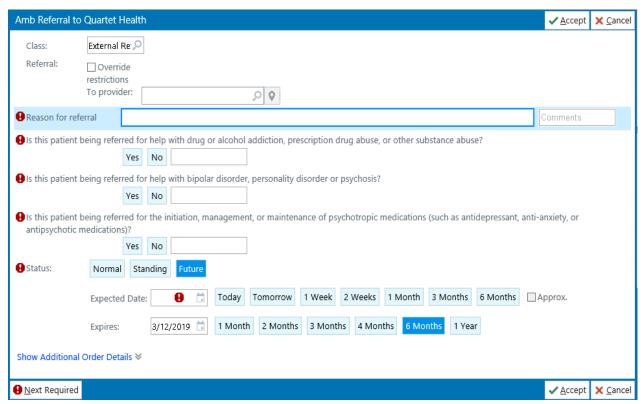


### The Story

- Direct is a national encryption standard for securely exchanging clinical healthcare data via the Internet
- Also known as the **Direct** Project, **Direct** Exchange and **Direct** Secure **Messaging**
- It specifies the secure, scalable, and standards-based method for the exchange of Protected Health Information (PHI)



### Physician Order



#### **Work Flow**

- Referral starts with the clinician order
- Order questions were Quartet's interest
- What was sent: answers to questions, expected appointment date, and the patient CCD all transmitted together



### Return Provider Information

#### In basket message to our providers

<u>∕a</u> Status	√ Date/Time	Patient	Subject	Sender	Expires
? Read	09/11/2018 8:00 PM		Progress Update for	Message, Direct (Quartet Health)	12/10/2018

#### Brief note from the behavioral health provider

From:	Message, Direct (Quartet Health)
Addressed To:	Mark Guy, MD
Routed To:	Ac Im Com Pc Church Rd Clinical Staff
Subject:	Progress Update for

#### Message Text ≈

Progress Update from Eileen Savikas, LPC sent on 2018-09-11:

Diagnosis: F41.9 Anxiety Disorder NOS

Plan: Meet every 3 weeks to develop self care routine, hobbies/interests, and social relationships.

Patient Name

Additional Note: Seemed interested in returning, but deterred by cost of co pay. She did reschedule for another appointment 3 weeks later. Said her PCP will be happy she is attending. Minimized any psychological distress.



### **Quartet Data**

Time Frame	Messages Sent	Messages Received	Total
August 2018	155	136	291
Last year	2532	1924	4456
All-Time	4174	2681	6855



### Clinicians and Technology Pearls

- Clinicians doing the work must be involved in the solution
- The technology must "think" like the clinician
- Keep the clinicians in their work flow
- Utilize current technology available
- Make it easy to get to the information needed





## Allegheny Health Network

Information Technology

Delivering Technology that Empowers our Patients and Caregivers

