

Pennsylvania eHealth Partnership Advisory Board Meeting

November 1, 2019



**PA PATIENT &
PROVIDER NETWORK**
PRIVATE & PROTECTED



pennsylvania
DEPARTMENT OF HUMAN SERVICES

Agenda

- 10 a.m. Welcome and Introductions
- 10:10 Minutes of November 1, 2019 Meeting
- 10:15 PA eHealth Partnership Program Updates
- 10:45 KeyHIE Overview
- 11:00 Dr. David Kelley - DHS Clinical Quality Initiatives
- 11:35 HIE Trust Community Committee Updates
- Noon Brief Lunch Break
- 12:25 Brainstorming for FFY2020 IAPD-Funded Projects
- 12:45 PA eHealth Draft Annual Report Review
- 1:15 P3N Fee Model and Schedule Review
- 1:50 Public Comment
- 2 p.m. Adjournment



Welcome and Introductions

David F. Simon, JD

Consumer Representative

and

PA eHealth Advisory Board Chair

PA eHealth Advisory Board

Ms. SARAH BOATENG, Chief of Staff
Pennsylvania Department of Health (Secretary of Health Designee)

Mr. MARTIN CICCOCIOPPO, Director, PA eHealth Partnership Program
Pennsylvania Department of Human Services (Secretary of DHS Designee)

Ms. PAMELA E. CLARKE, Senior Director, Quality, Health Promotion Council (House Appointed HIO Representative)

Mr. JOSEPH FISNE, Associate Chief Information Officer
Geisinger Health System (Senate Appointed HIO Representative)

Mr. SCOTT FRANK, Chief Information Officer
Capital Blue Cross (Insurer Representative)

Ms. JENNIFER B. HAGGERTY, Chief Operating Officer
Pennsylvania Homecare Association (Home Care or Hospice Representative)

Dr. BRIAN HANNAH, Vice President, Chief Medical Information Officer
Mercy Health (Hospital Representative)

PA eHealth Advisory Board continued

Dr. TIMOTHY HEILMANN, Chief Medical Information Officer
UPMC Susquehanna (Physician or Nurse Representative)

Mr. MICHAEL HUMPFREYS, Chief of Staff
Pennsylvania Insurance Department (Insurance Commissioner Designee)

Ms. JULIE KORICK, Director of Finance & Business Development
Pennsylvania Association of Community Health Centers (Underserved Representative)

Ms. MINTA LIVENGOOD, Vice Chair
Consumer Subcommittee of the MAAC (Consumer Representative)

Mr. PAUL MCGUIRE, Long Term Care Consultant
(Post-Acute Care Facility Representative)

Dr. MICHAEL A. SHEINBERG, Chief Medical Information Officer
Penn Medicine Lancaster General Health (House Appointed HIO Representative)

Mr. DAVID F. SIMON (Chair), Chief Legal Affairs Officer
Philadelphia College of Osteopathic Medicine (Consumer Representative)

PA eHealth Advisory Board Nominees

Mr. MICHAEL MARTZ, Chief Information Officer
Mount Nittany Health System (Nominated as Senate HIO Appointee)

Ms. PHYLLIS SZYMANSKI, Director
ClinicalConnect HIE (Nominated as Senate HIO Appointee)

Mr. DON REED, Chief Operating Officer
HealthShare Exchange (Nominated as House HIO Appointee)

Pennsylvania eHealth Program Updates

Martin Ciccocioppo, MBA MHA

Director

Pennsylvania eHealth Partnership Program

Office of Medical Assistance Programs

Pennsylvania Department of Human Services

PA eHealth Staff Changes

- Stephanie Billman joined PA eHealth as a Promoting Interoperability (PI) Program Auditor on August 12, 2019
- Megan Ebert joined PA eHealth as a Human Services Program Specialist on August 26, 2019
- Christy Stermer to replace Elizabeth Bahn as PA eHealth's Program and Fiscal Manager on November 4, 2019
- Dana Kaplan will leave PA eHealth PI HIT Coordinator position to replace Jim Sullivan at DOH as the Public Health Gateway Coordinator likely in November 2019
- Jonathan Kerr will move from PA eHealth PI Program Lead Auditor to replace Dana Kaplan as PA eHealth HIT Coordinator after Dana leaves
- Monica Fisher will leave PA eHealth PI Program as communications specialist to become an HIV Program Specialist in DOH
- Will be recruiting for PI Program auditor and communications positions

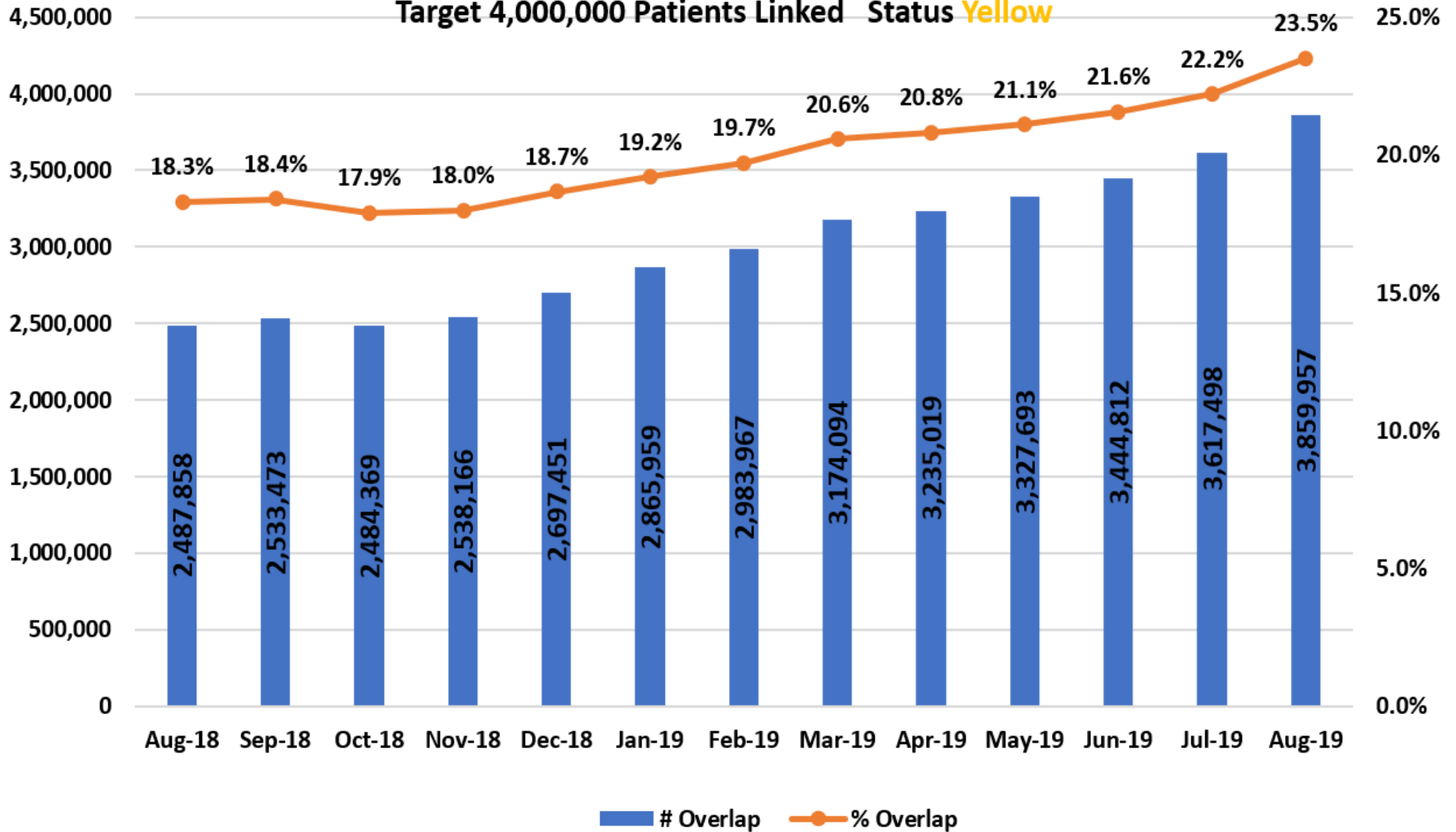
Recent PA eHealth Accomplishments

- We onboarded the Pennsylvania Department of Corrections electronic health record system to the P3N.
- All five HIOs have acute care hospital emergency departments (99) contributing Admission Discharge Transfer records (ADTs) to the P3N statewide encounter notification service (ENS). Two HIOs will begin sending inpatient ADTs to the P3N ENS in November 2019.
- We now have connections to five public health registries through our five HIOs, including retrieving immunization histories and retrieving filled prescription information from the Prescription Drug Monitoring Program (PDMP).
- We are in the process of rolling out an advance directive and DNR document registry to the P3N.
- Processed more than \$2.6 million in FFY2019 HIO and PHG grant invoices across all five P3N HIOs.

Linking Rate (Patients Linked to More Than One Data Source [HIO])

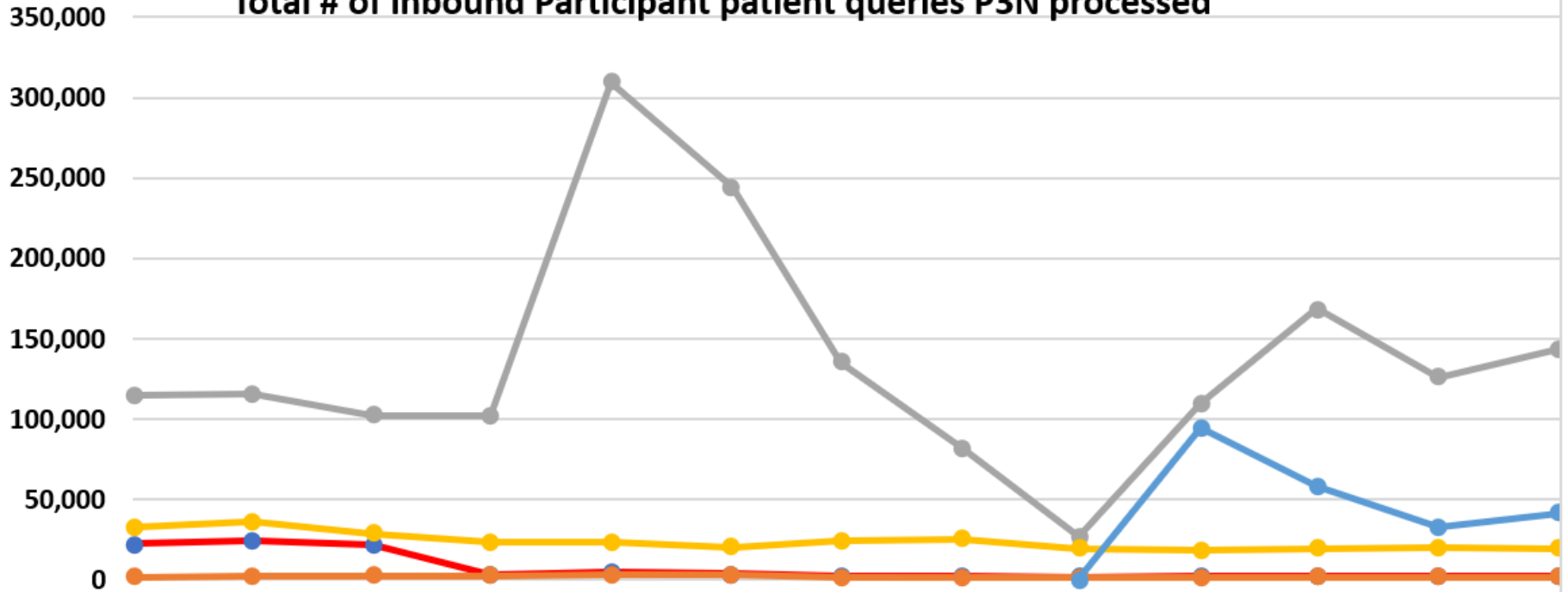
Target 25.0% Linked Status **Yellow**

Target 4,000,000 Patients Linked Status **Yellow**



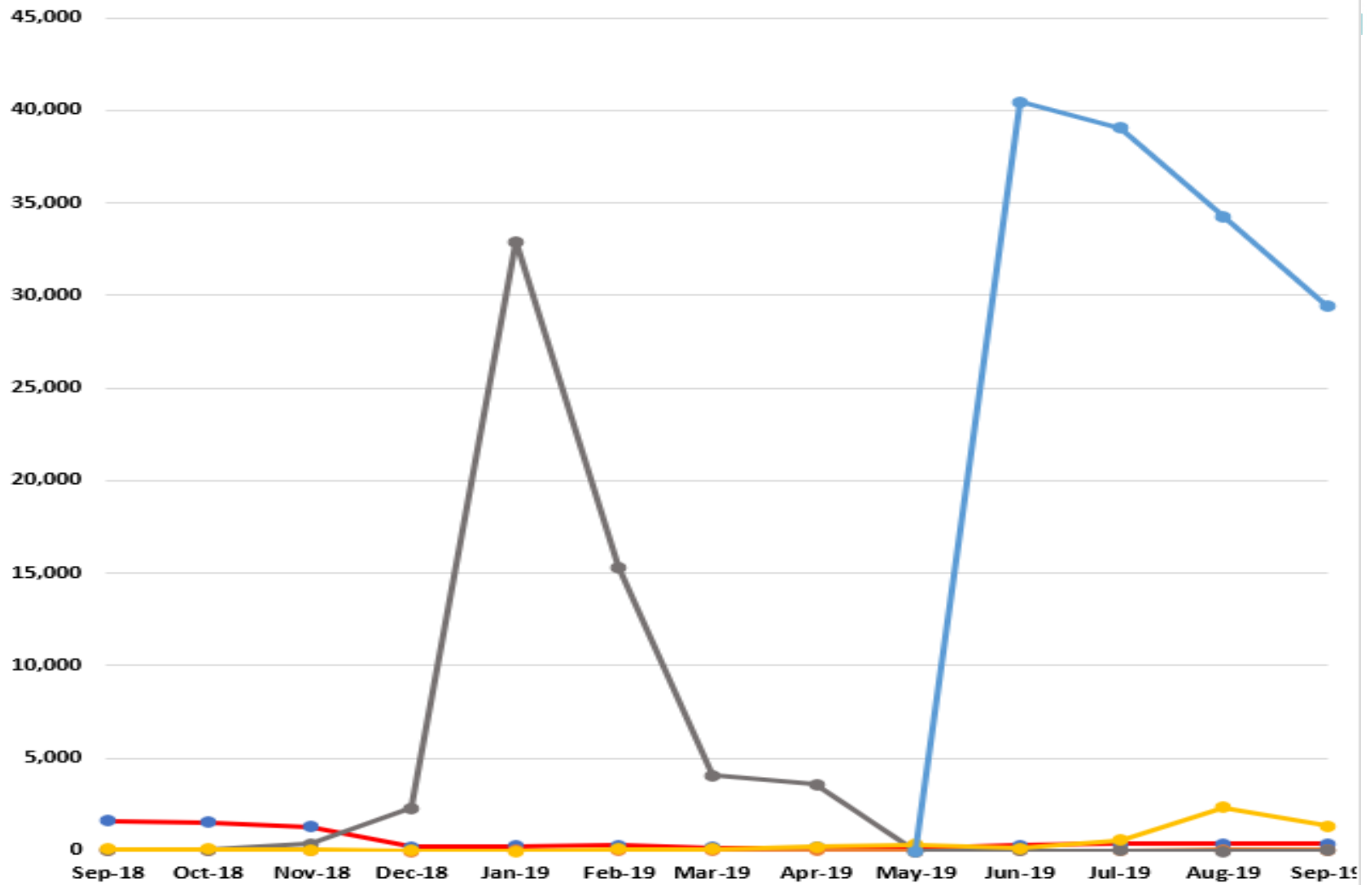
P3N Queries

Total # of inbound Participant patient queries P3N processed



	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
KEYHIE	22,656	24,557	21,843	3,186	4,848	3,725	2,323	2,457	1,832	2,132	2,058	2,105	1,965
CCHIE	1,844	2,463	2,793	2,780	3,300	2,882	1,239	1,420	1,428	1,344	1,635	1,849	1,859
HSX	114,991	115,445	102,412	101,912	309,427	244,628	135,506	81,977	26,630	109,815	168,681	125,665	143,981
Mt. Nittany	33,098	36,075	28,671	23,526	23,772	20,511	24,383	25,620	19,298	18,335	19,531	19,735	19,438
CPCHIE									370	94,811	57,990	32,638	41,495

Total # of successful inbound Participant document retrieves P3N processed
Target: 100,000/month - Red

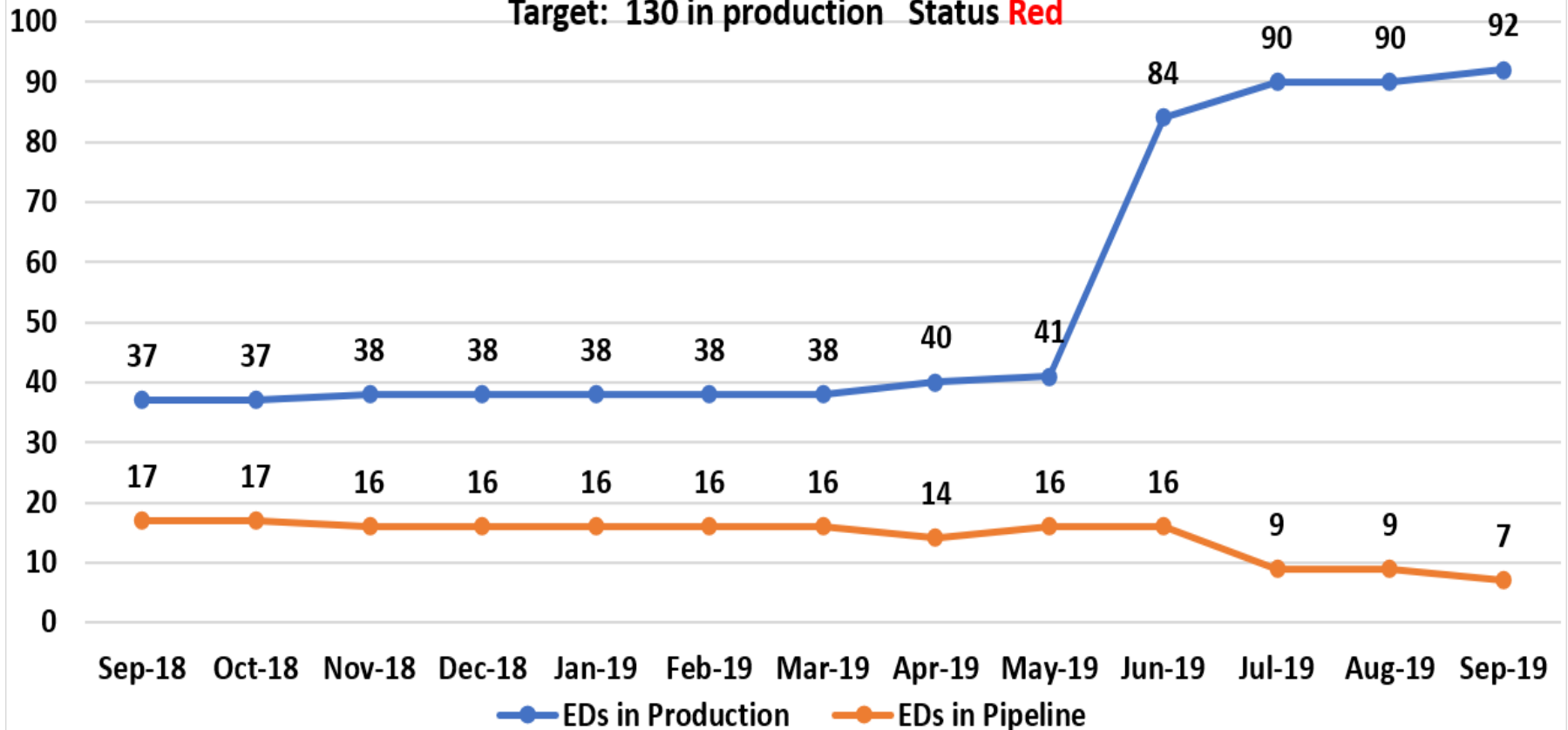


	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
KEYHIE	1,625	1,521	1,297	202	257	283	165	159	127	271	367	378	368
CCHIE	5	7	18	4	11	19	9	10	1	13	28	40	35
HSX	24	36	357	2,308	32,918	15,317	4,077	3,611	0	20	6	3	18
Mt. Nittany	69	92	35	13	1	50	55	194	349	123	587	2,355	1,317
CPCHIE									2	40,462	39,023	34,253	29,416

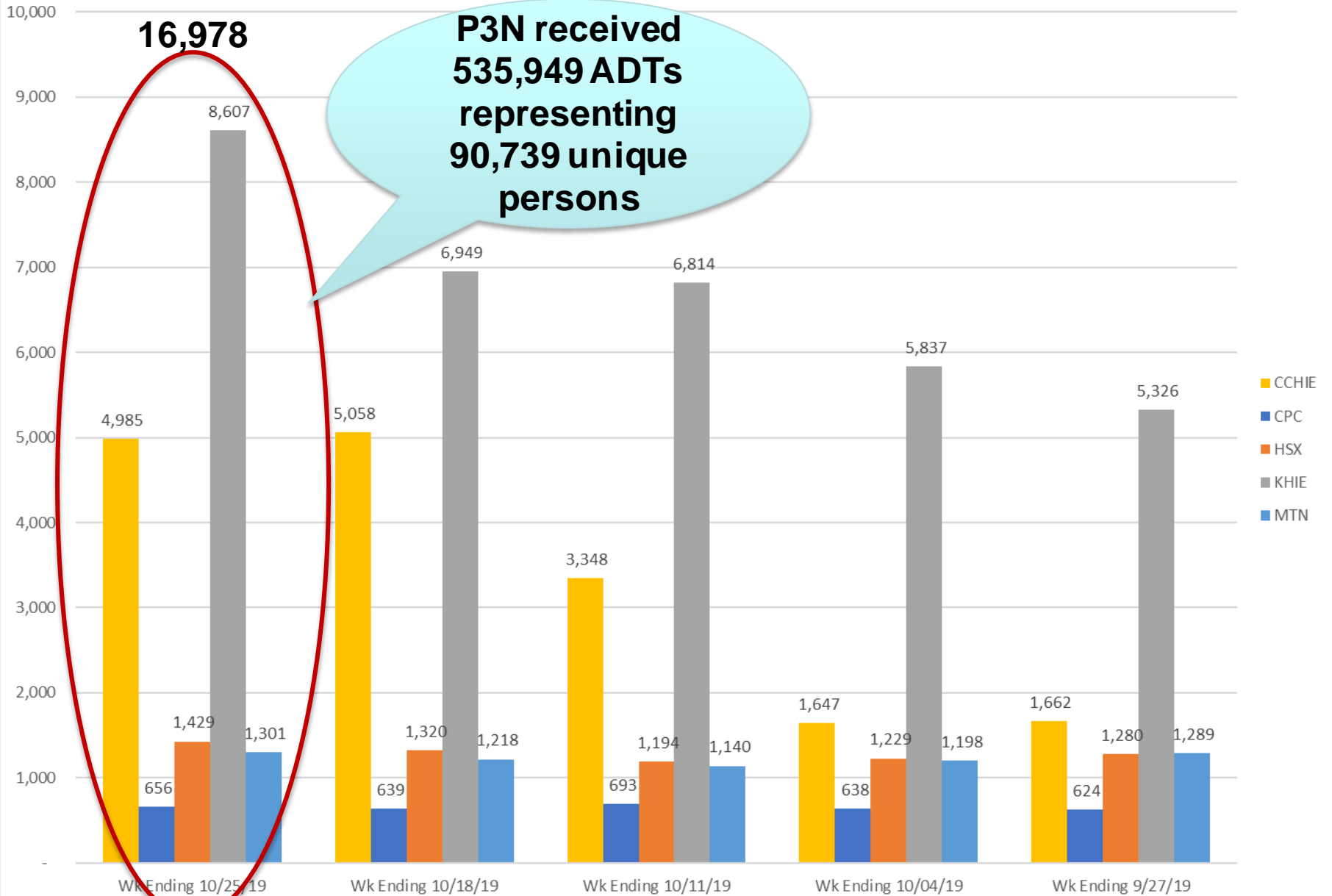
ADT Participation

Emergency Departments in Production or Pipeline

Target: 130 in production Status **Red**

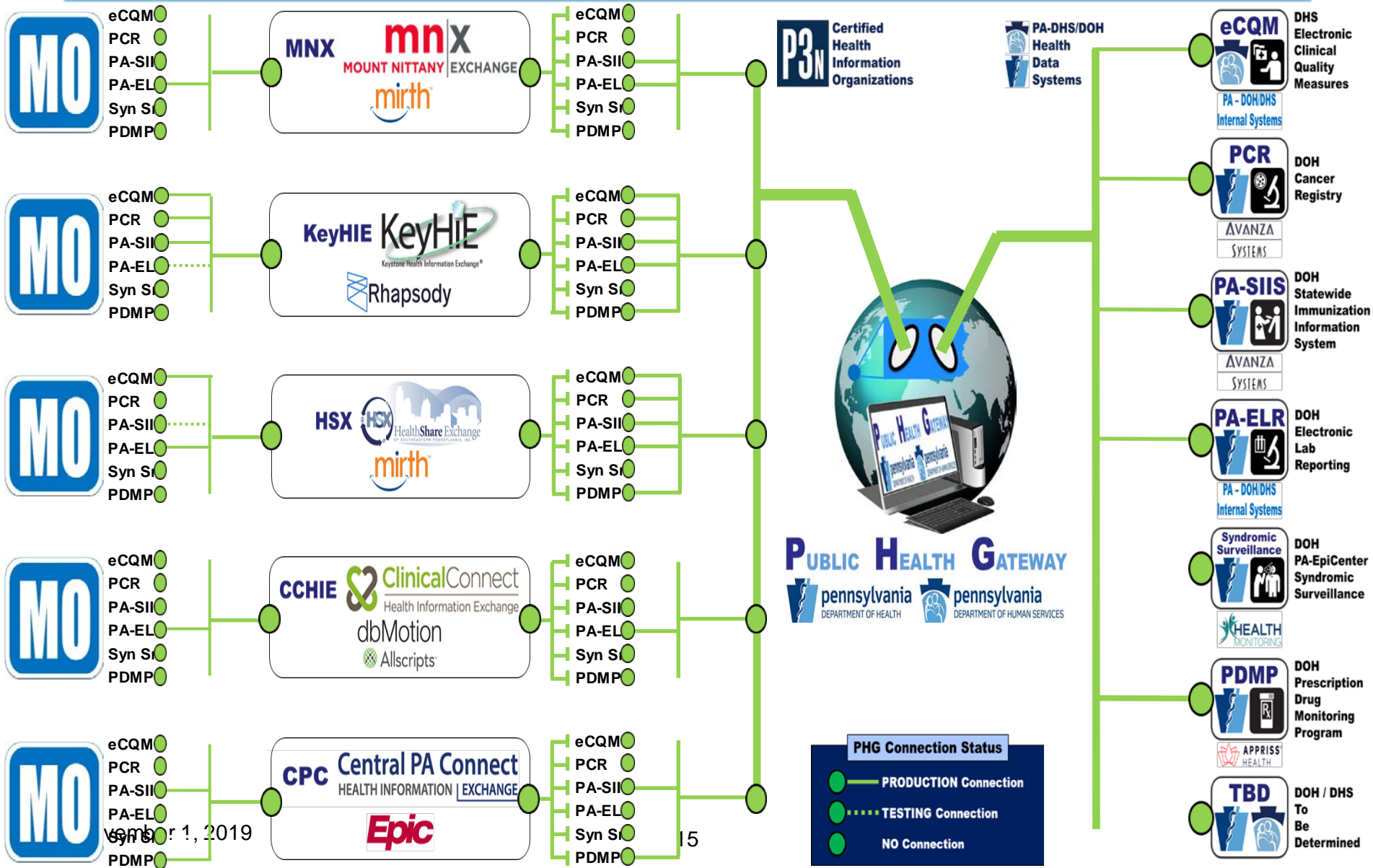


Unique Persons Associated with ADT Messages Sent From P3N to HIOs



November 1, 2019

PHG Connections (October 2019)



Recent PHG Activity

**Pennsylvania Department of Health
Public Health Gateway Message Counts by HIO
October 7, 2019 to October 27, 2019**

HIO	ELR Messages	ELR Errors	PDMP Messages	PDMP Errors	SIIS Messages	SIIS Errors	PCR Messages	PCR Errors	Total Messages
CCHIE	6	0	0	0	0	0	0	0	6
CPOCHIE	0	0	0	0	73,808	1	0	0	73,809
HSX	342	1	0	0	0	0	0	0	343
KeyHIE	1,546	0	0	0	173,423	3	67	0	175,039
MNX	75	0	0	0	0	0	0	0	75
Total Messages	1,969	1	0	0	247,231	4	67	0	249,272

FFY 2019 Projects (1-3)

HIE Onboarding Grants

These grants were made available to Health Information Organizations (HIOs) to support them in their efforts to connect a variety of healthcare providers to HIO's networks and, in turn, to the P3N. (\$2.4 mil. Claimed)

PHG Onboarding Grants

These grants were made available to HIOs to support their efforts to connect their Member Organizations to the Public Health Gateway (PHG). The PHG permits a single point of connection from a provider, via an HIO, to a variety of public health reporting systems. (\$255,000 Claimed).

Radiology Image Sharing

This project utilized an HIO to electronically share mammography images across a network of care team members to reduce unnecessary radiology exposure to patients and is more cost-effective and value-based. KeyHIE implemented the first year of this two-year initiative.

FFY 2019 Projects (4-5)

Advance Care Planning Documents Registry

The primary goal of this project is to customize and extend the already-established P3N to provide a state-wide centralized ACPD registry available to all healthcare providers in PA for Medicaid patients initially. The project will establish an advance care planning document registry in cooperation with our HIO partners; develop an operations and support plan; determine usage metrics and steps to increase utilization; and develop an education and outreach plan. Registry was delivered by IBM in September 2019. Roll-out plan is under development.

HIO Integration for Department of Corrections

The goal of this project is to enable health information exchange for the Dept. of Corrections by connecting their electronic health records system to the P3N. To reach this goal, DHS will create a customized interface between Corrections and the P3N. The interfaces will support submission of data to – as well as query of – the state’s health registries and certified HIOs. DOC EHR onboarded to P3N in September 2019.

FFY 2019 Projects (6-8)

PHG Utilization

This project supports the advancement of the PHG and is primarily DOH staff expenses. Significant traffic increase seen in 2019.

Case Reporting

This project will expand electronic case reporting (eCR) capabilities by building a service to allow enhanced HIE integration that is not dependent on the Digital Bridge. This service will enable the reporting of additional types of cases and also meet the MU requirements. Work is continuing.

Immunization Registry Interoperability

The goal of this project is to provide a secure means for DOH to automatically evaluate test submissions to the PA-SIIS for proper content and structure. This funding will support the addition of 3 contract staff. This initiative supports the MU Stage 3 Public Health Objective. Registry was unable to implement this project in FFY2019.

(Note: Projects 6-8 support Dept. of Health public health registries.)

FFY 2019 Projects (9-10)

Education and Outreach

This project will utilize an outside vendor to offer training, technical assistance and outreach to small and mid-sized provider groups and eligible professionals in PA to continue the group's participation in the incentive program. More than 25 providers have returned to PIP.

Allegheny County Population Health

Allegheny County Health Department (ACHD), in collaboration with Western PA's two largest health systems, will implement a software tool and network infrastructure to conduct population health analysis of EHR data aggregated from the participating systems. Specifically, the ACHD will use software to perform an analysis of the geographical distribution of diabetes and hypertension, looking at disease progression, treatment, and control. ACHD complete the first year of this two-year initiative.

Total FFY 2019 IAPD Funding = \$11.7 million

(DHS provides the 10% state matching funds.)

FFY 2020 Projects (1-3)

HIE Onboarding Grants

These grants will be made available to Health Information Organizations (HIOs) to support them in their efforts to connect a variety of healthcare providers to HIO's networks and, in turn, to the P3N. RFA undergoing internal review.

Health Plan Onboarding Grants

These grants will be made available to HIOs to support them in their efforts to connect MA health plans with meaningful interoperability to HIO's networks and, in turn, to the P3N. RFA under development.

PHG Onboarding Grants

These grants are made available to HIOs to support their efforts to connect their Member Organizations to the Public Health Gateway (PHG). The PHG permits a single point of connection from a provider, via an HIO, to a variety of public health reporting systems. RFA undergoing internal review.

FFY 2020 Projects (4-5)

Radiology Image Sharing

This project will utilize an HIO to electronically share existing radiology and mammography images across a network of care team members to reduce unnecessary radiology exposure to patients and is more cost-effective and value-based. KeyHIE will be the HIO to implement this initiative. This is the second year of a two-year project.

Care Plan Document Registry

The primary goal of this project is to customize and extend the already-established P3N to provide a state-wide centralized care plan registry available to all healthcare providers and payer in PA for Medicaid patients initially. The project will establish an care plan document registry in cooperation with our HIO partners. This registry will help PH and BH MA MCOs meet DHS contractual requirements to share care plans to improve care coordination. This registry will be similar to Advance Care Documents Registry completed in FFY2019.

FFY 2020 Projects (6-8)

PHG Utilization

This project supports the advancement of the PHG and is primarily DOH staff expenses. This is a continuation of the FFY2019 project.

Case Reporting

This project will expand electronic case reporting (eCR) capabilities by building a service to allow enhanced HIE integration that is not dependent on the Digital Bridge. This service will enable the reporting of additional types of cases and also meet the MU requirements. This is a continuation of the FFY2019 project.

Immunization Registry Interoperability

This initiative supports the MU Stage 3 Public Health Objective. This funding was requested by DOH to support additional PA-SIIS registry staff. Funding may be re-purposed to support new PA-SIIS infrastructure.

(Note: Projects 6-8 support Dept. of Health public health registries.)

FFY 2020 Projects (9-10)

Education and Outreach

This project will utilize an outside vendor to offer training, technical assistance and outreach to small and mid-sized provider groups and eligible professionals in PA to continue the group's participation in the incentive program. This is a continuation of the FFY 2019 project.

Allegheny County Population Health

Allegheny County Health Department (ACHD), in collaboration with Western PA's two largest health systems, will implement a software tool and network infrastructure to conduct population health analysis of EHR data aggregated from the participating systems. Specifically, the ACHD will use software to perform an analysis of the geographical distribution of diabetes and hypertension, looking at disease progression, treatment, and control. This is the second year of a two-year project.

Total Approved FFY 2020 IAPD Funding = \$11.7 million

(DHS provides the 10% state matching funds.)



Keystone Health Information Exchange Overview

Kim Chaundy
**Senior Director Health Information Exchange &
Interoperability**
Geisinger Health System

Agenda

- About KeyHIE
- KeyHIE Statistics
- Services Offered
- KeyHIE Information Delivery Service (IDS)
- Payors
- P3N
- Questions & Next Steps

About KeyHIE

- Keystone Health Information Exchange
- Founded in 2005
 - One of the oldest HIEs in the US
- Serves approximately 6.2M patients, over 53 counties in Pennsylvania
- Currently expanding into southern New Jersey

Mission: To nurture information sharing between providers with secure access to quality healthcare data, when and where it is needed

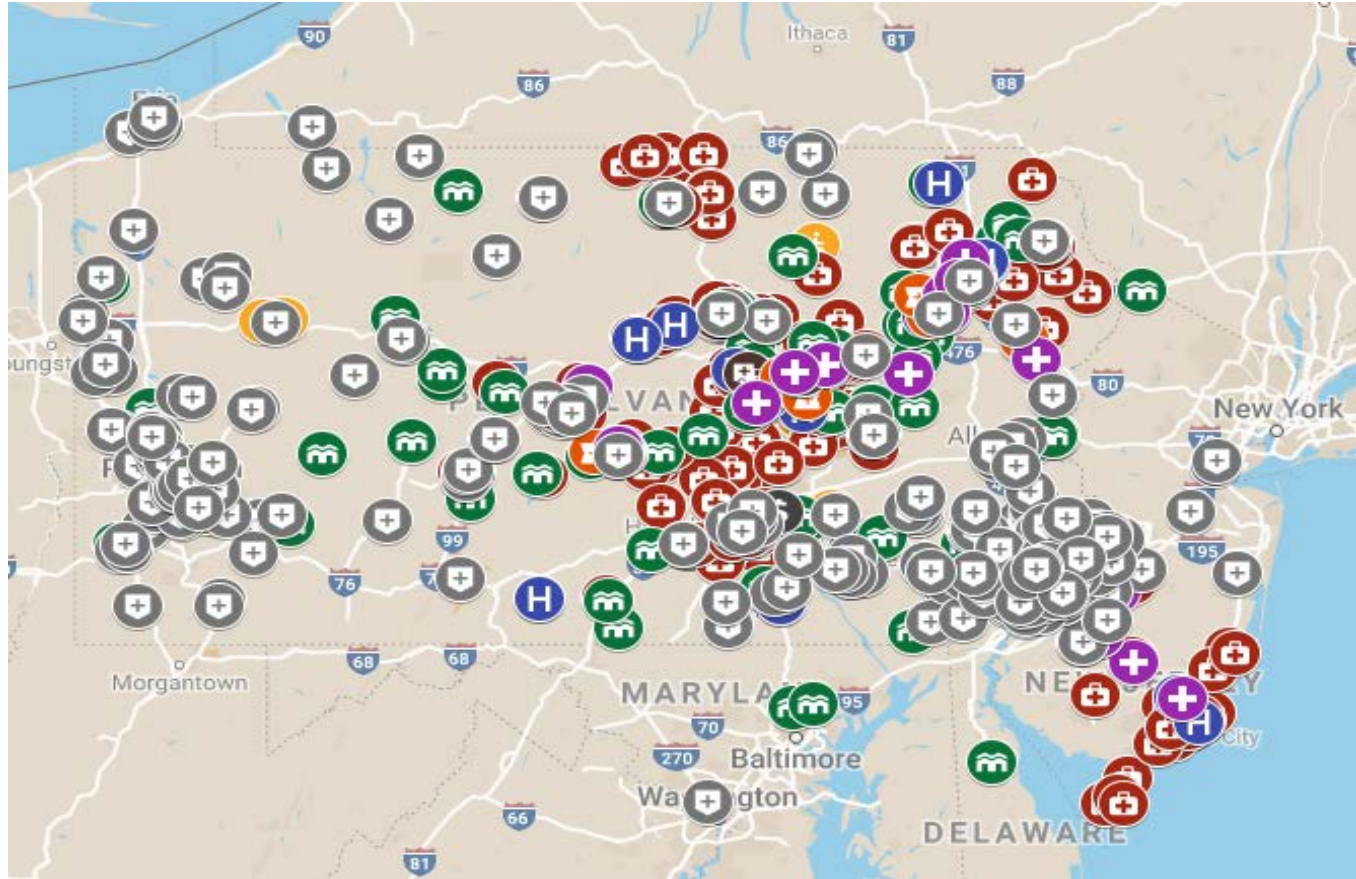
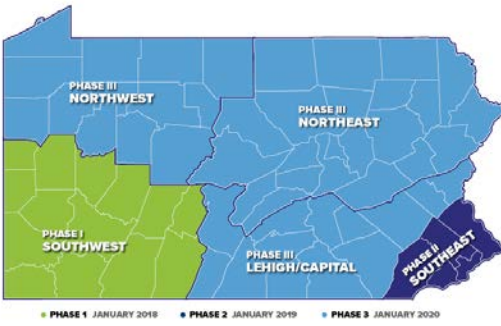
About KeyHIE

KeyHIE is a service that provides timely access to important patient data, when and where it is needed.

Uses include:

- Information retrieval for direct patient care (i.e. queries)
- Alerts to providers regarding patient events (e.g., hospital admissions & discharges)
- Data “push” directly into disparate EHRs
- Data aggregation and delivery for cross-venue care (e.g., ACOs and bundled payments)
- Data aggregation for analytics (e.g., population health)
- Data aggregation for patients (HIE-connected patient portal)

Participants



- Home Health
- Physician Practices
- Long Term Care
- Hospitals
- EMS
- Pharmacy
- Insurance
- Urgent Care

See <https://www.keyhie.org> for a list of participants

KeyHIE Statistics

Types and amount of data received during September 2019

Types	Quantity
Encounters	1,417,364
Discharges	20,779
ED Summaries	59,284
History & Physicals	37,582
Labs	1,055,826
Imaging	154,367
CCD	58,197

KeyHIE Services

- KeyHIE Insights
 - KeyHIE serves as a supplemental data source for HEDIS measures to payors
- KeyHIE Provider Portal
 - Web-based or within your own EHR
 - Clinical document viewer, summary viewer, EHR publisher
- KeyHIE Notifications & Information Delivery Service (IDS)
 - Subscribe to receive notifications when a patient is admitted, transferred or discharged from a participating hospital
 - Subscribe to have patient results/documents pushed to your connected EHR
- KeyHIE Transform
 - LTPAC transition of care support & EMS support
- DIRECT Secure Messaging
 - Secure, web-based email
- MyKeyCare patient portal

HEDIS Measures

16 Measures currently able to provide:

Measure	Description
Provider	Unique provider identifier, one designated identifier for all offices
EMR_SYSTEM	Name of electronic medical record system
Member_nbr	GHP Insurance # billed
DOB	Patient's Date of Birth
Patient_Last_Name	Patient's last name
Patient_First_Name	Patient's first name
BMI_Height_DOS	The date of the patient's most recent height.
BMI_Height	Height in centimeters
BMI_Weight_DOS	The date of the patient's most recent weight.
BMI_Weight	Weight in kilograms
BMI_Value	The value of the patient's most recent BMI reading.
BP_DOS	Date of the patient's most recent blood pressure reading.
BP_Systolic_Result	Systolic result tied to the patient's most recent bp reading.
BP_Diastolic_Result	Diastolic result tied to the patient's most recent bp reading.
HbA1c_DOS	Date of patient's most recent hemaglobin A1c test.
HbA1c_Result	Result of patient's most recent hemaglobin A1c test.

HEDIS Measures

13 additional measures will be available by the end of 2019:

Measure	Description
CT_Colonography_DOS	Date of last CT colongraphy
Flex_Sigmoidoscopy_DOS	Date of last Flex Sigmoidoscopy
FIT_DNA_DOS	Date of last Fit DNA test
FOBT_DOS	Date of last FOBT test
Colonscopy_DOS	Date of last colonscopy
Colorectal_Cancer_Diagnosis_Date	Date of colorectal cancer diagnosis
Total_Colectomy_DOS	Date of total colectomy
Mammogram_DOS	Date of patient's last mammogram
Mastectomy_DOS	Date of patient's documented double mastectomy
Unilateral_Mastectomy_Left_DOS	Date of patient's documented unilateral mastectomy of left breast
Unilateral_Mastectomy_Right_DOS	Date of patient's documented unilateral mastectomy of right breast
PAP_dos	
HPV_dos	

KeyHIE Information Delivery Service

- Intelligent “push” technology for real-time delivery of community-wide alerts, notifications and information to enable proactive intervention
- End users (healthcare providers/facilities) have the ability to subscribe to important alerts, notifications and documents on their patients
- Implements alerts, notifications and document routing via a rules-driven publish and subscribe pattern
- Subscriptions can be managed, as needed

KeyHIE IDS Subscription Types

Types of subscriptions available:

- Inpatient admission notification
- Inpatient discharge notification
- Emergency admission notification
- Emergency discharge notification
- Lab results delivery, including site-specific results
- Radiology reports
- Discharge summaries
- Consult notes
- ED summaries
- CCDA

IDS is designed in a configurable way to allow for new subscription types/rules to be implemented quickly and easily

Operational flow:



IDS STATISTICS - FY - 2019 TOTALS



15 M
TOTAL SENT



148
UNIQUE RULES

Encounter Notification as Email

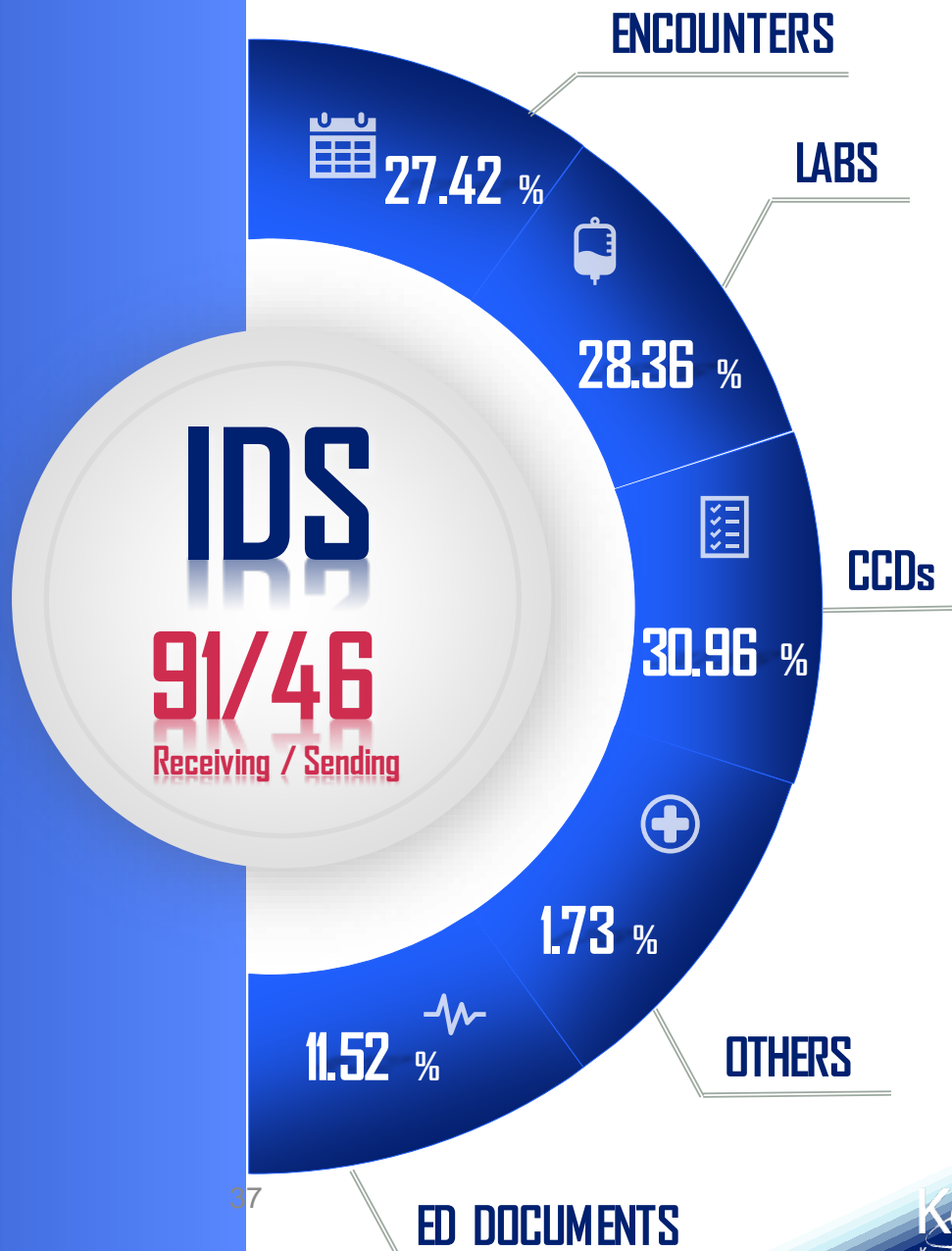


115 K
NOTIFICATIONS



10.91 M
DOCUMENTS

November 1, 2019



IDS STATISTICS - FY - 2019 PROVIDERS



7.90 M

TOTAL SENT



81

UNIQUE RULES

Encounter Notification as Email



99 K

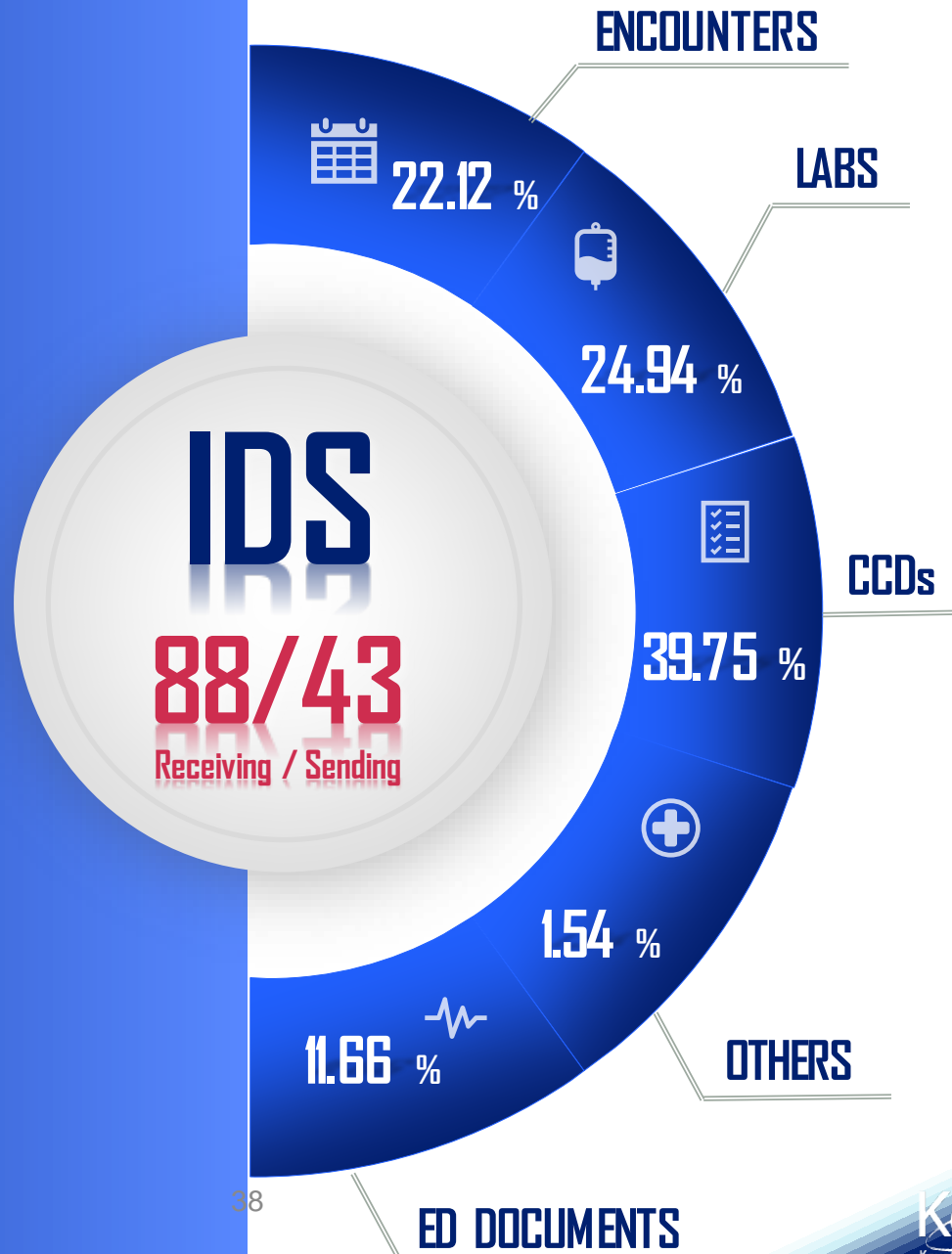
NOTIFICATIONS



7.80 M

DOCUMENTS

November 1, 2019



IDS STATISTICS – FY – 2019 PAYORS



7.13 M

TOTAL SENT



19

UNIQUE RULES

Encounter Notification as Email



16.71 K

NOTIFICATIONS



4.76 M

DOCUMENTS

November 1, 2019

IDS

3/35

Receiving / Sending

ENCOUNTERS

33.30 %

LABS

32.16 %

CCDs

21.22 %



1.94 %

OTHERS

11.37 %

ED DOCUMENTS

Payors

Onboarded

- AmeriHealth Caritas
- Gateway Health Plan
- Geisinger Health Plan
- Highmark

Status:

- They are currently advancing the use of KeyHIE data to integrate to their Case Management workflows and providing feedback to us on data quality issues.
- IDS sends out ADTs, CCDs, ORU Labs, & ORU Documents to payors.

Future Initiatives:

- Engaging with Payors to expand into claims to assist in populating KeyHIE Insights data store.

AmeriHealth Caritas

Onboarded with KeyHIE August 8, 2019

Scope:

- AmeriHealth sends KeyHIE a file containing ~ 23,700 patient members.
- KeyHIE examines the file and uses IDS to send AmeriHealth ADTs from participant organizations for patients contained within the file.

Status: 4,834 ADTs delivered to AmeriHealth since go-live

AmeriHealth Caritas

Top 5 participants sending to AmeriHealth since Go-Live

Participant	Quantity
Geisinger	3,230
Mount Nittany Medical Center	458
ClinicalConnect HIE	287
UPMC Susquehanna	216
Evangelical	205

Others Include:

- Allied Service Skilled Nursing Center
- Butler Hospital
- Crozer Taylor Hospital
- Crozer-Chester Medical Center
- Doylestown Hospital
- Endless Mountain Health System
- Excelsior Hospital
- HealthShare Exchange
- Thomas Jefferson University Hospital
- Northeastern Eye Institute
- St. Mary Medical Center
- Timber Ridge Health Care Center
- UPMC Pinnacle
- Wayne Memorial
- Wellspan

P3N

- KeyHIE sends ADT notifications for Emergency Department visits
- KeyHIE sends all KeyHIE patient registrations to P3N's master patient index

Department of Human Services Priorities

Dr. David Kelley

Chief Medical Officer

Office of Medical Assistance Programs

Pennsylvania Department of Human Services

HIE Trust Community Committee

Michael Martz

Chief Information Officer

Mount Nittany Health System

HIE Trust Community Committee

Chairperson:

- Kimberly A. Chaundy, Sr. Director HIE & Interoperability, KeyHIE (Elected May 2019)
- HIETCC will elect its CY 2020 chairperson on December 4, 2019

HIE Trust Community Committee Meeting Summaries:

- HIETCC Meeting Agenda, October 2, 2019
- HIETCC Meeting Minutes, September 11, 2019
- HIETCC Meeting Minutes, August 14, 2019
- HIETCC Meeting Minutes, July 10, 2019

HIE Trust Community Committee

Topics covered/discussions w/continued focus on:

- Enabling discrete data sharing across the P3N
- PDMP – Conversion to RxCheck and HIE role
- DOC Onboarding to P3N
- IAPD-Funded Projects including Advance Directive Registry and Image Sharing
- Payer Member access to P3N
- HIO efforts to help payer members with HEDIS reporting
- Providing MA claims data to HIOs
- P3N ADT Service expansion
- Super Protected Data (SPD) Filtering and Code Set sub group meetings
- National eHealth Exchange, CRISP connectivity, and SHIEC Patient Centered Data Home
- Annual review of P3N Certification Package including creating a new downtime notification policy.

Brainstorming FFY 2021 IAPD Projects

Dana Kaplan

and

Jonathan Kerr

OMAP HIT Coordinators

Department of Human Services

Office of Medical Assistance Programs

Requirements

Our primary discussion will focus on 2021 HITECH IAPD project ideas but we may bring up some ideas to consider for future funding.

Reminder that these projects are 90% Federally funded so the state needs to cover the 10% and FFY2021 is the last year we can access HITECH funds.

Must be related to the HIT Incentive program. If the project benefits more than the HIT program, then the project may need to be cost allocated and only a portion of the project can be covered by HITECH funds.

Requirements (cont.)

Projects should benefit the broader community/provider base, not just one group.

CMS will not approve projects that would be considered 'maintenance' projects.

CMS and DHS have to approve the proposed projects.

FFY2020 IAPD-Funded Projects

1. HIE Onboarding Grants
2. Public Health Gateway (PHG) Grants
3. PHG Utilization
4. Case Reporting
5. Education and Outreach
6. Immunization Registry Interoperability
7. Radiology Imaging Sharing
8. Care Plan Registry
9. Allegheny County Population Health
10. HIE Onboarding Grants for Payors

Discussion Items

- What projects would you like us to consider?
- How can we improve on current projects?
- How do you think we could improve on current projects?

Megan Ebert

Human Services Program Specialist

Pennsylvania eHealth Partnership Program

Office of Medical Assistance Programs

Pennsylvania Department of Human Services



pennsylvania
DEPARTMENT OF HUMAN SERVICES

Pennsylvania eHealth Partnership Program

***Annual Report to the Governor and General Assembly
Under Act 76 of 2016
for the Year Ended June 30, 2019***

Draft Letter from the Secretary

This year was marked by successes and accomplishments on behalf of Pennsylvania's patients and providers. During the year, the eHealth Partnership made great progress toward enrichment of the services offered by the statewide health information exchange (HIE). DHS has leveraged managed care contracts, value-based payment programs, and federal Health Information Technology for Economic and Clinical Health Act (HITECH) funding to substantially increase provider and payer participation in HIE in Pennsylvania.

During this year we added a new Pennsylvania Patient and Provider Network (P3N) Certified Health Information Organization (HIO) and negotiated and signed a new participation agreement with all our P3N HIOs to better enable and secure statewide health information exchange. We have also engaged a broader health care stakeholder community in advancing interoperability by seating the Pennsylvania eHealth Partnership Advisory Board in October 2018. The Advisory Board began meeting quarterly in December 2018.

Authority to DHS Transition

On July 8, 2016, Act 76 created the Pennsylvania eHealth Partnership Program (eHealth Partnership) within the Pennsylvania Department of Human Services (DHS). Concurrent with the passage of Act 76, Act 121 of 2012 was repealed, and the independent Pennsylvania eHealth Partnership Authority (Authority) and its governing board were disbanded. All the programmatic responsibilities of the Authority transitioned into DHS' Pennsylvania eHealth Partnership Program in the Office of Medical Assistance Programs (OMAP).

The HIE Trust Community Committee (HIETCC), made up of the leadership of our regional health information organizations has met continuously on a monthly basis since November 2013. The P3N HIETCC participated in detailed review and updating of the complete P3N HIO Certification Package in 2018; DHS and all five HIOs have fully executed Version 4.0 of the P3N Participation Agreement, which binds all parties to a common set of standards and data uses to enable statewide health information exchange. The Pennsylvania eHealth Partnership Advisory Board was seated in October 2018 and began meeting quarterly in December 2018.

1. Leveraging state services and resources

- In 2018 and 2019, PA eHealth worked with Medicaid physical health managed care organizations (MCOs) and their patient centered medical homes (PCMH) to join a Health Information Organization (HIO) to be eligible for value-based payment incentive payments; this increased HIO membership and in turn became a source to build repositories of clinical data, improving patient care coordination.
- PA eHealth now has production connections to three (3) Department of Health public health registries and one (1) Department of Human Services registry.
- During SFY2018, PA eHealth began working on onboarding 3 HIOs to the Prescription Drug Monitoring Program (PDMP) through the Public Health Gateway (PHG).
- PA eHealth also began working with IBM to develop a robust provider directory leveraging data from DHS, Department of Health (DOH), Department of Aging (DOA), Department of Drug and Alcohol Programs (DDAP), Department of State (DOS) and the Centers for Medicare and Medicaid Services (CMS).

2. Expand coverage area of exchange

- In May 2019, PA eHealth certified our newest HIO, the Central Pennsylvania Connect HIE, administered by Penn Medicine Lancaster General Health.
- During spring 2019, PA eHealth began the process of onboarding the Pennsylvania Department of Corrections' (DOC) electronic health record (EHR) system, which covers all 25 state correctional institutions, to the Pennsylvania Patient and Provider Network (P3N).
- In SFY 2018, in order to drive greater participation in the P3N Admission Discharge Transfer (ADT) Service, the Department linked P3N ADT Service participation to a Hospital Quality Incentive Program (HQIP) designed to reward hospitals for developing treatment pathways for MA Opioid Use Disorder patients who present in the emergency department. The HQIP was the primary driver for getting all five P3N Certified HIOs participating in the P3N ADT Service and additional acute care hospitals to join P3N HIOs.
- During SFY 2018, DHS awarded \$3.5 million in HIO Onboarding Grants across all five (5) P3N certified HIOs to increase the number of providers connected to HIOs.
- Additionally, PA eHealth awarded \$300,000 to HIOs to support their efforts to connect their member organizations (MOs) to the PHG.

3. Increase bi-directional access to PHG

- Outside of the PHG Grant Program, PA eHealth onboarded the entire Geisinger Health System to the PA State Immunization Information System (PA-SIIS). By June 2019 we were processing more than 35,000 PA-SIIS messages through the PHG per week.
- During this review period, PA eHealth was able to provide HITECH funding and general information to the HIO's about the six registries available through the PHG.
- PA eHealth also providing funding to DOH to support ongoing development of the PHG and registries.

4. Improve data quality through analytics

- Working with IBM and our HIOs, PA eHealth placed considerable amounts of energy and resources on improving Master Patient Index (MPI) match rates through increased compliance with patient demographic information reporting.
- In addition to demographic data fill-rate reports provided to HIOs on a monthly basis, we are now providing a weekly report to each HIO that identifies individual patient registrations with missing demographic information.
- Patient matching or linking has steadily increased over this report period from 15.44% in December 2017 to 21.56% in June 2019.

5. Enhance the types of data exchanged

- All five HIOs now share real-time acute ED ADT information with the P3N so that a patient's care team can be alerted to their ED encounter even if they are in a different HIO.
- In SFY 2018, PA eHealth awarded funding to the Keystone HIE to begin implementing electronic image sharing of existing radiology and mammography images across a network of care team members to reduce unnecessary radiology exposure to patients.
- PA eHealth worked with IBM to begin creating a P3N Advance Directive Registry to provide a statewide centralized registry available to healthcare providers in PA.
- In SFY 2018, PA eHealth awarded funding to the Allegheny County Health Department (ACHD) to work with Western PA's two largest health systems to implement an open-source population analytics and visualization software tool to conduct population health analysis of EHR data aggregated from the participating systems. Eventually the collaborators will use software to perform an analysis of the geographical distribution of diabetes and hypertension, looking at disease progression, treatment, and control.

6. Update the certification program

- During SFY 2018, PA eHealth worked extensively with the P3N Health Information Exchange Trust Community (HIETCC) to review and updated the HIO Certification Package that was originally developed when PA eHealth was an independent state agency.
- In addition to many administrative changes required as a result of moving under DHS, the HIETCC agreed to add a new security policy to the certification package, which increased the security requirements on all the participants.
- DHS and all the P3N HIOs are now bound to Version 4 of the P3N Participation Agreement and its policies and technical requirements.

7. Offer expanded system access

- During SFY 2018, PA eHealth worked with IBM to broaden access to the P3N patient portal to enable state care managers access to the P3N.
- Through the year, the HIETCC has been working on a plan to address restricted self-pay protected health information from disclosure to payers when a patient pays for a health care service and requests that encounter data not be shared with their payer.

8. Facilitate inter-state exchange

- PA eHealth worked with IBM to technically enable National eHealth Exchange connectivity for the one remaining P3N Certified HIO that is not directly connected.
- PA eHealth secured several concessions from the National eHealth Exchange on their application and technical requirements in SFY 2018 to conform to DHS Legal requirements.
- The P3N application to join the National eHealth Exchange is under internal review.
- PA eHealth has engaged in discussions with neighboring states regarding enabling alerting services for patients crossing state boundaries.

Summary of Receipts and Expenditures

Receipts Detail Report PA eHealth Partnership Authority (July 1, 2018–June 30, 2019)		
Business Area 21		
Description	Transaction Amount	Notes
Budget Amount *	\$	
Deposit - Interagency	\$	
TOTAL	\$	
*Budget amount includes a Budgetary Control Account (BCA) for the use of funds of		

Summary of Expenditures PA eHealth Partnership Authority (July 1, 2018–June 30, 2019)	
Business Area 21	
Expenditure Type	Expended Amount
Personnel	\$
Operational	\$
Total	\$

Waiting for Christy

List of Contracts

Contract Type	Grantee Name	PA Vendor #	Contract #	Contract Amount	Notes
Grant	Clinical Connect	793238	21OB19201	\$45,000	Ambulatory Onboarding Grant Program
Grant	Clinical Connect	793238	21OB19101	\$270,000	Hospital/Facility Onboarding Grant Program
Grant	CPC HIE	117652	21OB19204	\$50,000	Ambulatory Onboarding Grant Program
Grant	HealthShare Exchange of Southeastern PA	777978	21OB19102	\$370,000	Hospital/Facility Onboarding Grant Program
Grant	HealthShare Exchange of Southeastern PA	777978	21OB19202	\$620,000	Ambulatory Onboarding Grant Program
Grant	HealthShare Exchange of Southeastern PA	777978	21OB19301	\$10,000	Portal Onboarding Grant Program
Grant	KeyHIE	793863	21OB19203	\$1,002,500	Ambulatory Onboarding Grant Program
Grant	KeyHIE	793863	21OB19103	\$500,000	Hospital/Facility Onboarding Grant Program
Grant	Mount Nittany Medical Center	657990	21OB19104	\$110,000	Hospital/Facility Onboarding Grant Program

List of Contracts (cont.)

Contract Type	Vendor Name	PA Vendor #	Contract #	Contract Amount	Notes
Grant	Clinical Connect	793238	21PHG19101	\$5,000	PHG Grant Program
Grant	CPC HIE	117652	21PHG19104	\$10,000	PHG Grant Program
Grant	HealthShare Exchange of Southeastern PA	777978	21PHG19102	\$5,000	PHG Grant Program
Grant	HealthShare Exchange of Southeastern PA	777978	21PHG19202	\$20,000	PHG Grant Program
Grant	KeyHIE	793863	21PHG19103	\$5,000	PHG Grant Program
Grant	KeyHIE	793863	21PHG19203	\$60,000	PHG Grant Program
SS	KeyHIE	793863	4100082284	\$300,000	Radiology Image Sharing Project
IGA	Allegheny County	159001-002	4100083064	\$500,000	Allegheny County Population Health Project
MOU/ NOS	PA Department of Health	689874	400021833	\$1,259,220	Public Health Gateway Projects
CRF	IBM		CRF # 60	\$186,667	Advance Care Planning Registry
TOTAL				\$5,328,387	

Reportable Security Breaches

- The Pennsylvania Patient and Provider Network (P3N) experienced no reportable security breaches in 2018-2019.

P3N Fee Model and Schedule

The following table provides the fee schedule that was adopted by the Board on April 15, 2016, for state fiscal years 2015-2016, 2016-2017, 2017-2018, and 2018-2019. The table also includes the Department's proposed fees for SFYs 2019-2020 and 2020-2021. The Department will set the actual fee schedule for each SFY, as well as any modifications to the model, approximately twelve months before any year's fee schedule takes effect.

HIO Fee Schedule as of January 9, 2019

Category	State Fiscal Year					
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Small	\$22,500	\$22,500	\$26,000	\$30,000	\$30,000	\$30,000
Medium	\$45,000	\$45,000	\$52,000	\$60,000	\$60,000	\$60,000
Large	\$90,000	\$90,000	\$104,000	\$120,000	\$120,000	\$120,000
Very Large	\$135,000	\$135,000	\$156,000	\$180,000	\$180,000	\$180,000

Size Categories and Point Schedule

Size Categories	
Points	Category
Less than 200	Small
200 to 999	Medium
1,000 to 2,500	Large
More than 2,500	Very Large

Point Schedule for HIOs with Payer or Hospital Participation	
Payers	
Pennsylvania covered lives for which payers have HIE access via your HIO	1 point per 1,000 covered lives
Hospitals	
Per location, regardless of affiliation ¹ .	
Critical Access Hospitals ²	0 points
Small Hospitals (<150 beds)	25 points
Medium Hospitals (150-300 beds)	50 points
Large Hospitals (>300 beds)	100 points

Alternate Point Schedule*

Facilities	
Per location, regardless of affiliation ¹ . Includes entities owned by and/or physically located within a hospital	
Ambulatory Surgery Centers	15 points
Long-Term/Post-Acute Care Facilities	2 points
Mental Health/Substance Abuse Facilities	5 points
Outpatient Cancer Treatment Centers	2 points
Physical Therapy/Occupational Therapy Practices	1 point
Pediatric Rehabilitation Practices	1 point
Urgent Care Centers	5 points
Practices	
Per location, regardless of affiliation ¹ .	
Community Clinic/FQHC/Safety Net Providers ³	0 points
Primary Care Physician Practices	1 point
Specialist Physician Practices	2 points
Multi-specialty Practices	3 points
<u>Independent</u> Diagnostic Service or Treatment Providers	
Per location, regardless of affiliation ¹ . <u>Does not</u> count entities owned by an organization counted above.	
Independent Imaging Centers	2 points
Independent Reference Laboratories	0 points
Other Providers	
Per organization	
Ambulance/EMS services	0 points
Independent Pharmacies	0 points
Home Health Agencies	2 points

*Applies to HIOs that DO NOT include participation by hospitals or payers.

Public Comment

- Name of submitter for written comment submission acknowledged by chair
- Verbal comment (3 minutes per commenter)

For further information:

www.PAeHealth.org

PA eHealth Partnership Advisory Board:

http://www.dhs.pa.gov/learnaboutdhs/dhsorganization/ehealthpartnership/advsr_ybrdmtngs/index.htm

P3N HIO Certification Package:

<http://dhs.pa.gov/provider/healthinformationexchange/hioconnection/index.htm>

P3N Certified Health Information Organizations (HIO) Information:

http://dhs.pa.gov/cs/groups/webcontent/documents/document/c_281601.pdf