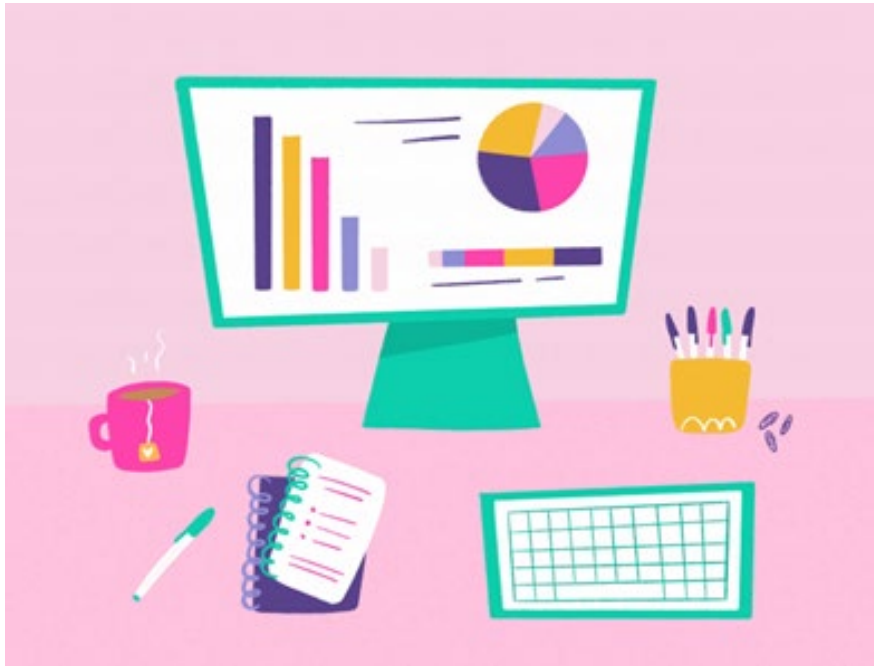




MARYLAND
Health Care
Commission



EXPLORING CRISP DATA

Best Practices for Access and Use

OCTOBER 18, 2024

CME Disclosure, Accreditation and Designation Statement



▶ Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of MedChi, The Maryland State Medical Society and The Maryland Health Care Commission. MedChi is accredited by the ACCME to provide continuing medical education for physicians.

▶ Designation Statement

MedChi designates this virtual meeting for a maximum of 1AMA PRA Category 1 Credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- ▶ The planners and reviewers for this activity have reported no relevant financial relationships to disclose.

Learning Objectives



- ▶ The value and clinical benefit of health information exchange (HIE)
- ▶ Strategies for utilizing data from CRISP, the State-Designated HIE, to improve care delivery and chronic care management
- ▶ Tips for incorporating HIE reports, including radiology and laboratory reports, into your practice workflow

AGENDA

- I. **Gene Ransom**, *MedChi*, Opening Remarks
- II. **Melanie Cavaliere**, *MHCC*, Overview of Maryland Landscape and MHCC Practice Transformation Activities
- III. **Sheena Patel, MD**, *Executive Director, Public Health Modernization, CRISP*, Subject Matter Expert
- IV. **Lisa Hugh, DHA**, *Founder and CEO, Southern Maryland Dietician*, Practice Perspective
- V. **Sarah Merritt, MD**, *President, Lifestream Health Center*, Practice Perspective
- VI. **Sanjay Saxena, MD, CPC**, *Hagerstown Family Medicine*, Practice Perspective
- VII. Q&A





Gene Ransom

MedChi, The Maryland
State Medical Society
(MedChi)



Snapshot of Maryland



- ▶ 6.18 million people (Source: [United States Census Bureau](#))
- ▶ 16.9% of population is age 65 and over (Source: [United States Census Bureau](#))





Advancing Practice Transformation



Background



- ▶ Advancing practice transformation has been an MHCC strategic priority for more than a decade
- ▶ Maryland law tasked MHCC with implementation and management of the Maryland Multi-Payor PCMH Program from 2011 through 2016
- ▶ The MHCC, MedChi, and the University of Maryland School of Medicine Department of Family and Community Medicine partnered with the New Jersey Innovation Institute to complete practice transformation activities in Maryland as part of the federal Transforming Clinical Practice Initiative from 2015 to 2019
- ▶ The MHCC has contributed to planning and policy development for the Maryland Primary Care Program since its inception in 2017

Advancing Practice Transformation

Program Overview



- ▶ In June 2021, MedChi CTO was competitively awarded a grant to complete transformation activities
- ▶ A crucial role of MedChi CTO is providing practice coaching on specific transformation topics and approaches, such as quality improvement and tools to help sequence and manage change essential to succeed in a value-based care model
- ▶ Program milestones:
 - Milestone 1 – Readiness Assessment
 - Milestone 2 – Workflow Redesign
 - Milestone 3 – Training
- ▶ Approximately 72 practices have completed program milestones to date

Learning Network Events



- ▶ The MHCC convenes peer learning network events in collaboration with local and national health care leaders on topics such as health equity, advanced care delivery, and practice transformation
- ▶ More information on learning network events is available at:
mhcc.maryland.gov/mhcc/Pages/apc/apc_icd/apc_icd_learning_networks.aspx



Advanced Care Delivery Events



► Prior events available on the [Learning Network](#) include:



**MENTAL HEALTH COLLABORATIVE CARE SUMMIT:
• NAVIGATING KEY TASKS AND ROLES**

June 2024

Representatives from three physician practices and a subject matter expert discuss key considerations for implementing mental health collaborative care models, including treatment approaches and tips for defining the roles of primary care providers and behavioral health specialists.

[Watch Now](#) [Download Slides](#)



**ENHANCING PATIENT EXPERIENCE THROUGH
PATIENT AND FAMILY ENGAGEMENT**

April 2024

Representatives from two ambulatory practices and a practice transformation coach discuss key considerations around engaging patients and families to improve care quality and patient safety, and other considerations that can influence engagement.

[Watch Now](#) [Download Slides](#)



Sheena Patel, MD

*Executive Director,
Public Health
Modernization, CRISP*

Subject Matter Expert



Questions to Consider

- ▶ How much does it cost to participate in CRISP?
- ▶ How does CRISP secure/protect patient data?
- ▶ Do patients have the right to opt out of having their data shared via CRISP?
- ▶ How do I become a participant, or if already participating, can I receive more in-depth training to better utilize the services?



CRISP

CRISP Overview

Tools & Services

October 18, 2024

10480 Little Patuxent Parkway, Suite 800
Columbia, MD 21044
877.952.7477 | support@crisphealth.org
www.crisphealth.org



About CRISP

State Designated Health

Information Exchange (HIE) serving Maryland, and in affiliation with the HIEs in several other states

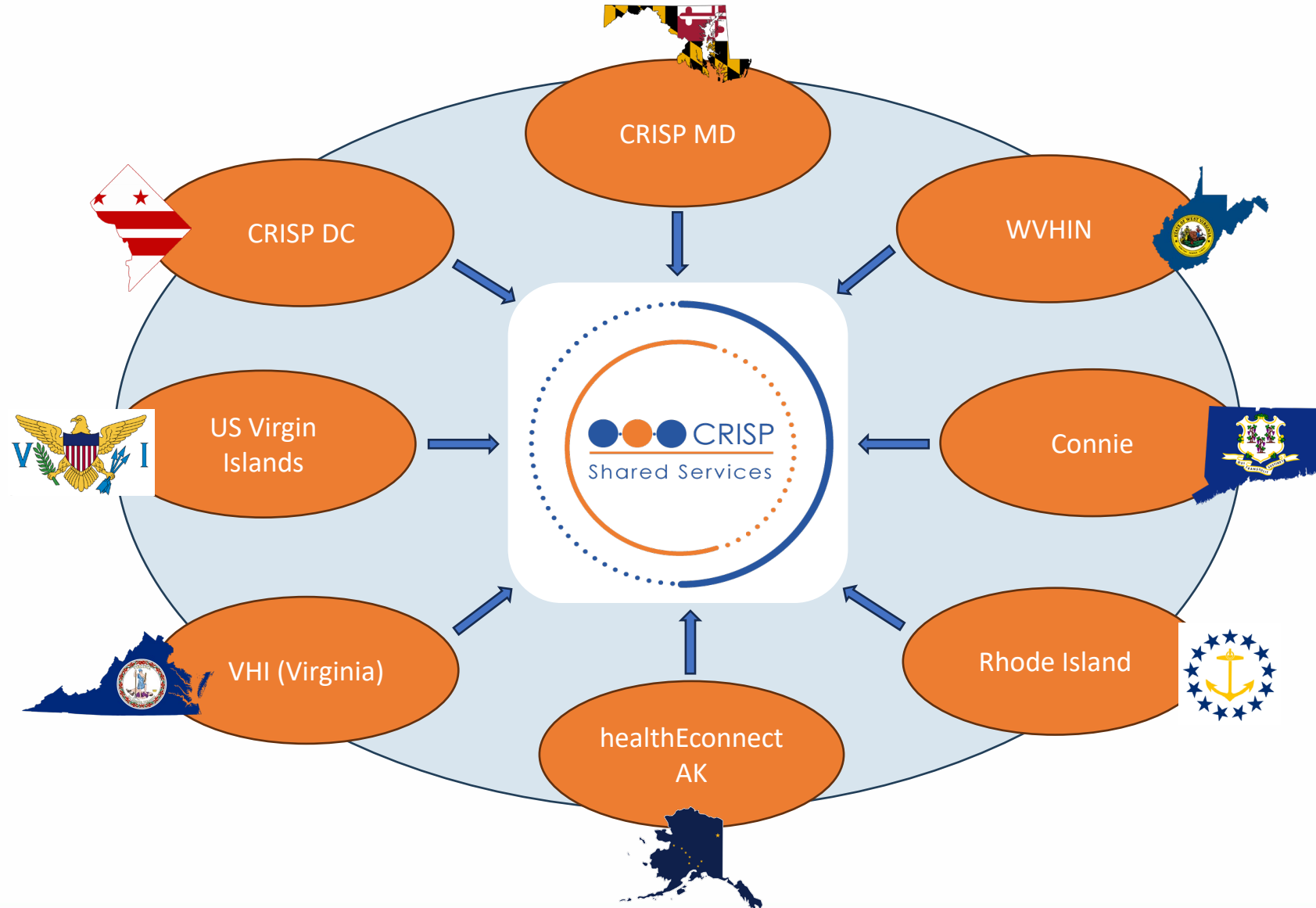
Vision: To advance health and wellness by deploying health information technology solutions adopted through cooperation and collaboration

Guiding Principles

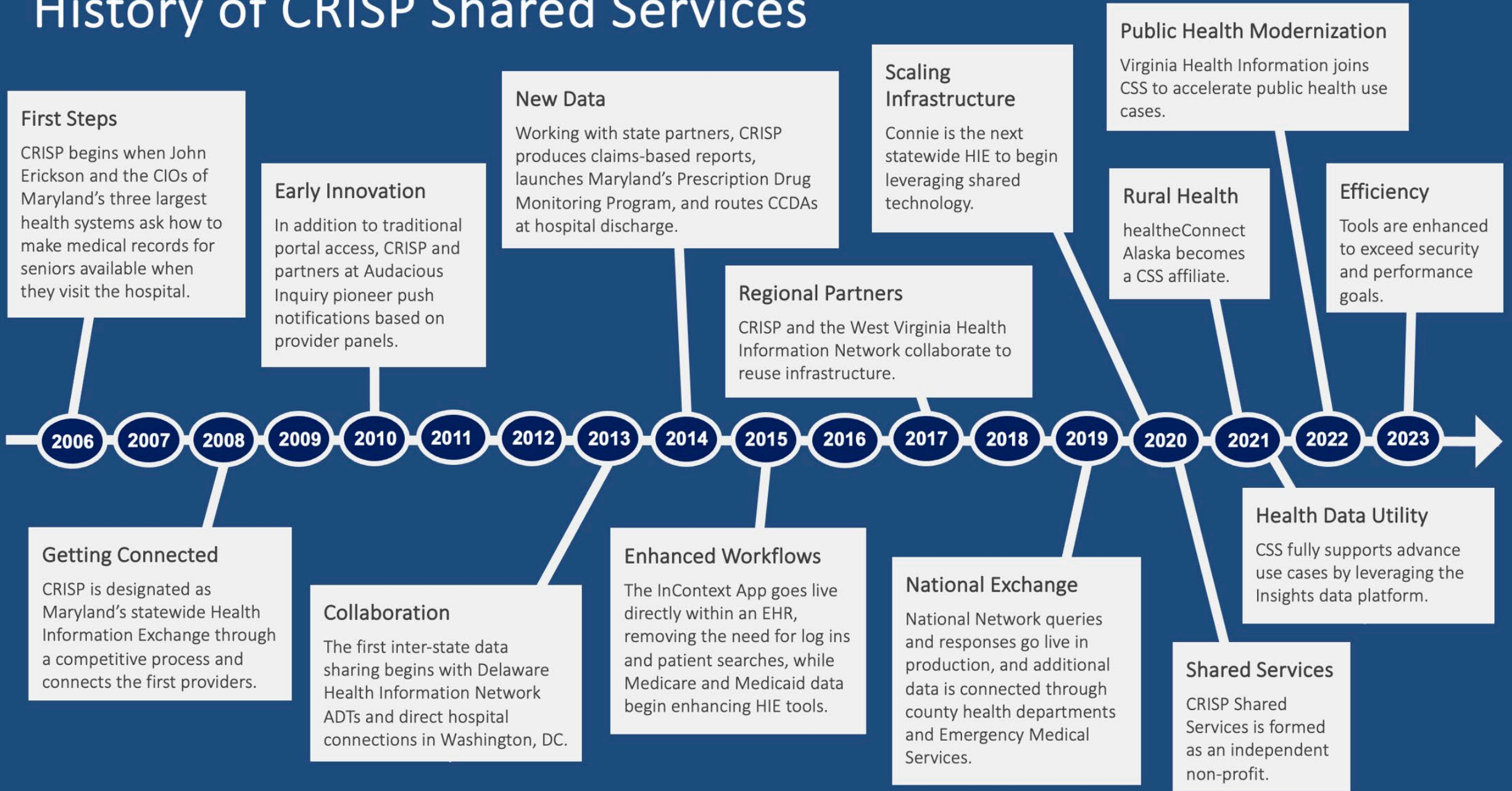
1. Begin with a manageable scope and remain incremental.
2. Create opportunities to cooperate even while participating healthcare organizations still compete in other ways.
3. Affirm that competition and market-mechanisms spur innovation and improvement.
4. Promote and enable consumers' control over their own health information.
5. Use best practices and standards.
6. Serve our region's entire healthcare community.



CRISP Shared Services



History of CRISP Shared Services





CRISP Services

1. POINT OF CARE: Clinical Portal & InContext Information

- Search for your patients' prior health records (e.g. labs, radiology reports, etc.)
- Determine other members of your patient's care team
- View external records in a SMART on FHIR app inside your EHR

2. CARE COORDINATION: Event Notifications (CEND)

- Be notified when your patient is hospitalized in any regional hospital
- Enhance workflows across multiple care settings and teams

3. POPULATION HEALTH REPORTS: CRISP Reporting Services (CRS)

- Use administrative and clinical data to design and measure interventions

4. PROGRAM ADMINISTRATION:

- Making policy discussions more transparent and informed
- Disseminating evidence-based best practices and technology

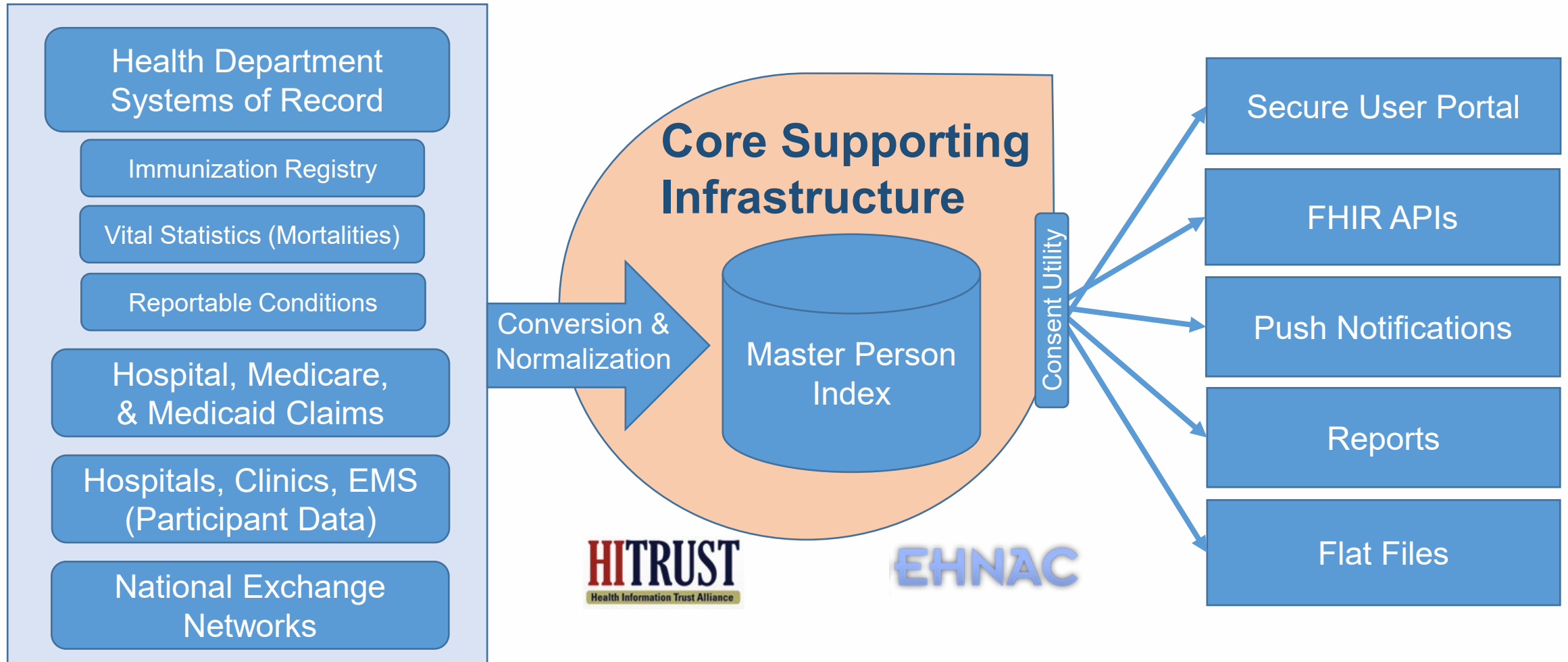
5. PUBLIC HEALTH DATA UTILITY:

- Deploying services in partnership with health officials
- Providing information and services to state and local health departments
- Supporting COVID-19 response efforts

Service	Typical Week
Data Delivered into EMRs	1,500,000
Patients Manually Searched	205,000
ENS Messages Sent	3.5 mil
Clinical Documents Processed	675,000
Portal Users	107,000
Live ENS Practices	1,580
Reports Accessed	2,750
Report Users	2,000



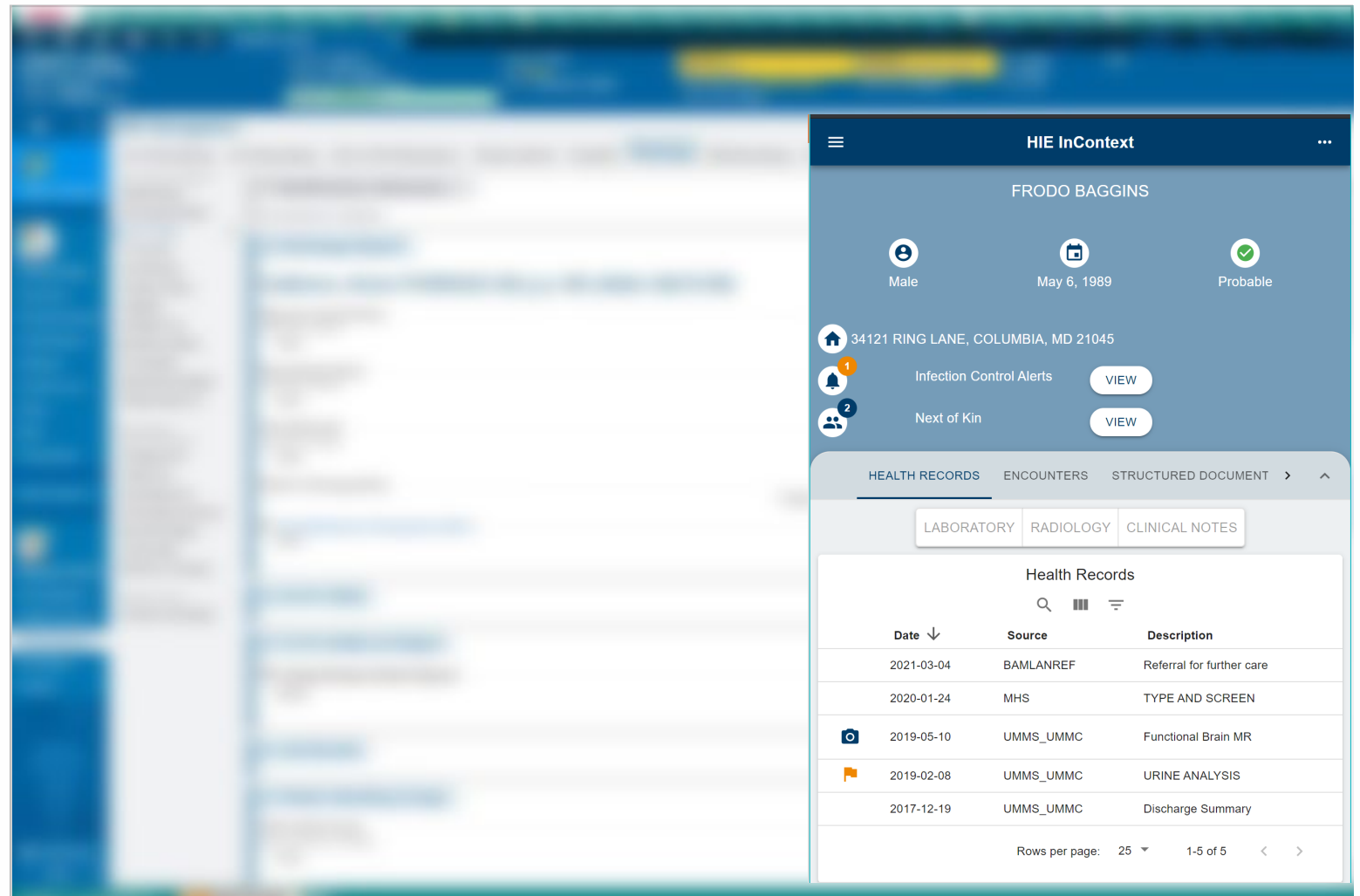
Technology Components





Point of Care: InContext Data Delivery

- View of patient data, pulled from multiple repositories and sources, embedded in the end user's EHR
- Integrations can occur in EHR native app stores or through API queries
- CRISP delivers over **1.5M** pieces of data per week through this method (and rising)



The screenshot displays the HIE InContext mobile application interface for a patient named Frodo Baggins. The interface is organized into several sections:

- Header:** "HIE InContext" with a menu icon on the left and a more options icon on the right.
- Patient Information:** "FRODO BAGGINS" is displayed at the top. Below this are three icons: a person icon labeled "Male", a calendar icon labeled "May 6, 1989", and a checkmark icon labeled "Probable".
- Address:** "34121 RING LANE, COLUMBIA, MD 21045" is shown with a home icon.
- Alerts and Actions:** "Infection Control Alerts" with a "VIEW" button and a notification icon with a "1". "Next of Kin" with a "VIEW" button and a notification icon with a "2".
- Navigation:** "HEALTH RECORDS", "ENCOUNTERS", and "STRUCTURED DOCUMENT" are listed as tabs.
- Filtering:** "LABORATORY", "RADIOLOGY", and "CLINICAL NOTES" are shown as filter buttons.
- Health Records Table:**

Date ↓	Source	Description
2021-03-04	BAMLANREF	Referral for further care
2020-01-24	MHS	TYPE AND SCREEN
2019-05-10	UMMS_UMMC	Functional Brain MR
2019-02-08	UMMS_UMMC	URINE ANALYSIS
2017-12-19	UMMS_UMMC	Discharge Summary
- Footer:** "Rows per page: 25" and "1-5 of 5" with navigation arrows.



CRISP

Prescription Drug Monitoring
Program (PDMP)

&

Clinical Information



Point of Care: Prescription Drug Monitoring Program

Mission (not formally adopted):

The Maryland PDMP collects controlled dangerous substance (CDS) prescription dispensing information and enables authorized users' access to these data for the purpose of improving the health and safety of Maryland patients and the public.

Basic Description of the Maryland PDMP:

- Secure, state-wide, electronic database
- Contains Schedule II-V pharmaceutical controlled dangerous substance (CDS) Rx dispensed in Maryland
- Rx data can be disclosed for clinical, investigative and research/pub education purposes as allowed by law





Point of Care: Prescription Drug Monitoring Program

HIE InContext Anna Cadence
Female | Nov 16, 1981

ADVISORIES | **PDMP**

No Clinical Alerts

Medications

Medication	State	Date Filled	Date Written	Days Supply	Quantity Dispensed	MME/Day	Prescriber	Pharmacy Name	Payment Method
oxyCODONE HCl 5 MG TABS	MD	2022-07-15	2022-07-15	30	60	15	HOSE PHARMACIES, INC.	WAL-MART PHARMACY 10-2279	—
Zubsolv 8.6-2.1 MG SUBL	MD	2022-07-11	2022-07-11	15	45	—	DUNDALK PHARMACY	WAL-MART PHARMACY 10-2279	—
Nucynta ER 150 MG TB12	MD	2022-07-01	2022-07-01	30	90	180	WALGREEN CO.	WAL-MART PHARMACY 10-2279	—
oxyCODONE HCl 5 MG TABS	MD	2022-06-15	2022-06-15	30	60	15	MARYLAND CVS PHARMACY, L.L.C.	WAL-MART PHARMACY 10-2279	—
ALPRAZolam 0.5 MG TABS	MD	2022-04-06	2022-04-06	30	60	—	MARYLAND CVS PHARMACY, L.L.C.	WAL-MART PHARMACY 10-2279	—
oxyCODONE HCl 5 MG TABS	MD	2022-02-26	2022-02-25	30	60	15	MARYLAND CVS PHARMACY, L.L.C.	WAL-MART PHARMACY 10-2279	—
Zubsolv 8.6-2.1 MG SUBL	MD	2022-02-17	2022-02-17	15	45	—	—	WAL-MART PHARMACY 10-2279	—
ALPRAZolam 0.5 MG TABS	MD	2022-02-07	2022-02-05	30	60	—	DUNDALK PHARMACY	WAL-MART PHARMACY 10-2279	—
oxyCODONE HCl 5 MG TABS	MD	2022-02-03	2022-02-03	30	60	15	—	WAL-MART PHARMACY 10-2279	—
Zubsolv 8.6-2.1 MG SUBL	MD	2022-02-01	2022-02-01	15	45	—	WAL-MART PHARMACY 10-2279	DUNDALK PHARMACY	—
HYDROmorphine HCl 4 MG TABS	MD	2022-01-28	2022-01-28	20	120	96	WALGREEN CO.	DUNDALK PHARMACY	—
Zubsolv 8.6-2.1 MG SUBL	MD	2022-01-14	2022-01-14	15	45	—	WAL-MART PHARMACY 10-2279	DUNDALK PHARMACY	—

Powered by CRISP



Prescriber Reports

Individualized Prescriber insights

Prescriber Reports

Personal CS Prescribing History **Unsolicited Reports** Prescriber Insights Buprenorphine Report Prescriber Utilization

My Prescriptions Print Download CSV ↻

Patient First Name Patient Last Name Run Query

Dispenser Name Prescriber DEA(s) [i](#)

Prescription Number Drug Dispensed

Start Date * End Date * Query By *

[Report lost or stolen prescription pads to the Board of Pharmacy](#)

No prescriptions found.



PDMP: Advisories

In addition to the PDMP data, common PDMP advisories are available to support providers:

- Average Daily MMEs
- Overlapping Opioids and Benzodiazepines
- Overlapping Opioids
- Total Prescribers & Pharmacies

Count	Advisory	Threshold
52	Average Daily MME	1+ DAYS OVER 90
0	Overlapping Opioid & Benzos	3
30	Overlapping Opioids	3
4/1	Total Prescribers/Pharmacies	5/5

Detailed medications data available [VIEW PDMP →](#)



PDMP: Overdose Data

HIE InContext

GILBERT GRAPE

Male | Jan 1, 1984 | Probable

4145 Earl C Adkins Dr. River, WESTMINSTER, WV 26000 | No Infection Control Alerts | Next of Kin (VIEW)

ADVISORIES | PDMP

93 Average Daily MME ⓘ THRESHOLD: 1+ DAYS OVER 90	5 Overlapping Opioid & Benzos ⓘ THRESHOLD: 3	3 Clinical Alerts ⓘ MMC (2020-02-17) Patient may have experienced a controlled substance related event
14 Overlapping Opioids ⓘ THRESHOLD: 3	2/2 Total Prescribers/Pharmacies ⓘ THRESHOLD: 5/5	1 Clinical Alerts ⓘ BSB (2019-07-25) Patient may have experienced a controlled substance related event on 2019-07-25 at Bon Secours Hospital. Discharge Diagnosis: T40.2X1A (Poisoning by opium, intentional, initial) (Patient may have experienced an overdose even on 2019-01-20 20:30 at BSB.). Admit Reason: Overdose on Controlled Dangerous Substance. There is no longer a training requirement to obtain a waiver to prescribe buprenorphine for treatment of OUD; please visit Maryland Addiction Consultation Services (https://www.marylandmacs.org/New-HHS-Practice-Guidelines/) for more information.

Detailed medications data available **VIEW PDMP** →

Powered by CRISP



Clinical Information



Medication Management: Non-CDS Meds

PDMP		REPORTED MEDICATIONS					
LAST 90 DAYS		ALL					
Reported Medications - Last 90 Days							
	Generic Name ↑	Medication Name	Dose	Sig	Provider	Start Date	Last Reported Date
	Alprazolam 0.5 MG Oral Tablet [Xanax]	Xanax 0.5 mg oral tablet	0.5 mg	1 tab, Oral, TID, PRN for anxiety, # 30 tab, 0 Refill(s)	—	2022-05-18	2024-09-06
	aspirin 81 MG Oral Capsule	aspirin 81 mg oral capsule	81 mg	1 cap, Oral, Daily, do not exceed 48 capsules in 24 hours, # 30 cap, 0 Refill(s)	—	2022-05-18	2024-09-06
	cetirizine hydrochloride 10 MG Oral Tablet [Zyrtec]	Zyrtec 10 mg oral tablet	10 mg	1 tab, Oral, Daily, # 30 tab, 0 Refill(s)	—	2022-05-18	2024-09-06
>	⚠ ergocalciferol 1.25 MG (50,000 UNT) Oral Capsule	VITAMIN D2 1,250 mcg (50,000 unit) capsule	50000 U	take 1 capsule by mouth every week	—	2024-07-21	2024-07-21
	Losartan Potassium 25 MG Oral Tablet [Cozaar]	Cozaar 25 mg oral tablet	25 mg	1 tab, Oral, Daily, 0 Refill(s)	—	2022-05-18	2024-09-06
	Metoprolol Tartrate 50 MG Oral Tablet [Lopressor]	Lopressor 50 mg oral tablet	50 mg	1 tab, Oral, BID, # 60 tab, 0 Refill(s)	—	2022-05-18	2024-09-06
	Prinivil 5 mg oral tablet	Prinivil 5 mg oral tablet	5 mg	1 tab, Oral, Daily, 0 Refill(s)	—	2022-05-18	2024-09-06
	Rosuvastatin calcium 10 MG Oral Tablet	rosuvastatin 10 mg oral tablet	20 mg	2 tab, Oral, Daily, 0 Refill(s)	—	2022-05-18	2024-09-06
>	⚠ rosuvastatin calcium 20 MG Oral Tablet	rosuvastatin (CRESTOR) 20 mg tablet	20 mg	Take 1 tablet (20 mg total) by mouth daily.	—	2024-07-21	2024-07-21
	varденаfil HCl 10 MG Oral Tablet	varденаfil (LEVITRA) 10 mg tablet	10 mg	Take 1 tablet (10 mg total) by mouth daily as needed for erectile dysfunction.	—	2024-07-21	2024-07-21

Rows per page: 25 ▾ 1-10 of 10 < >



Clinical Information

Patient data includes:

- Labs
- Radiology Reports+Image (where available)
- Clinical Notes
- Immunizations
- Structured Documents (CCDAs)
- **All data can be printed/downloaded**

The screenshot displays the HIE InContext interface for a patient named Gilbert Grape, born on Jan 1, 1984. The interface includes a navigation bar with tabs for HEALTH RECORDS, ENCOUNTERS, STRUCTURED DOCUMENTS, and IMMUNIZATIONS. Below the navigation bar, there are filters for LABORATORY, RADIOLOGY, and CLINICAL NOTES. The main content area shows a table of Health Records with columns for Date Collected, Source, Description, and Provider. A 'Hide Home Facility Data' toggle is visible above the table.

Date Collected	Source	Description	Provider
2023-02-14	Washington Adventist Hospital	XR Chest 1 View	1234567890 Naicisyhp6 Znaicisyhp6
2023-02-14	Washington Adventist Hospital	CBC	99986 PHYSICIAN TEST
2023-02-14	Washington Adventist Hospital	ED Note-Physician	G0163 Naicisyhp6 Znaicisyhp6
2023-02-14	Washington Adventist Hospital	Progress Note-Physician	G0163 Naicisyhp6 Znaicisyhp6
2023-02-14	Washington Adventist Hospital	History and Physical	G0163 Naicisyhp6 Znaicisyhp6
2023-02-01	Shady Grove Adventist Hospital	ED Note-Physician	G0163 Naicisyhp6 Znaicisyhp6
2023-02-01	Shady Grove Adventist Hospital	XR Chest 1 View	1234567890 Naicisyhp6 Znaicisyhp6
2023-02-01	Shady Grove Adventist Hospital	Progress Note-Physician	G0163 Naicisyhp6 Znaicisyhp6
2023-02-01	Shady Grove Adventist Hospital	History and Physical	G0163 Naicisyhp6 Znaicisyhp6



Clinical Information – Labs

Available Information:

- Lab Results, including cultures

Benefits:

- Historical data
- More complete patient history

The screenshot displays the HIE InContext interface for a patient named GILBERT GRAPE. The main view shows a list of health records under the 'LABORATORY' tab, with a date filter set to '2023-02-14'. A modal window is open, showing details for a 'CBC' test performed on '2023-02-14'. The modal includes a 'Notes' section with no notes available and an 'Observations' table with the following data:

Reported (ET)	Name	Result	Range	Status
2023-02-14 13:03	HGB BLD-MCNC	15.00 g/dL	13.70 - 17.50	final
2023-02-14 13:03	Platelets.reticulated NFr Bld Auto	1.00 %	0.00 - 3.00	final
2023-02-14 13:03	MCH RBC QN AUTO	28.20 pg	25.70 - 32.20	final
2023-02-14 13:03	WBC NRBC COR NO. BLD AUTO	6.20 x10(3)/mCL	4.20 - 9.10	final
2023-02-14 13:03	RBC NO. BLD AUTO	4.55 x10(6)/mCL	4.63 - 6.08	final
2023-02-14 13:03	HCT VFR BLD AUTO	40.00 %	40.10 - 51.00	final
2023-02-14 13:03	MCV RBC AUTO	90.00 fL	79.00 - 92.20	final



Clinical Information – Radiology

Available Information:

- Radiology Reports
- Diagnostic Quality Images from all MD hospitals and over a dozen outpatient radiology centers

Benefits:

- Comparison images
- Reduce duplicative imaging

The screenshot displays the HIE InContext interface. The top header shows 'HIE InContext' on the left and 'GILBERT GRAPE' on the right. The main content area is titled 'HEALTH RECORDS' and includes a sidebar with navigation icons. The main panel shows a list of health records with columns for 'ALL', 'LABORATORY', and 'R'. A specific record is selected, showing a camera icon and the date '2023-02-14'. A modal window titled 'XR Chest 1 View' is open, displaying the following information:

XR Chest 1 View
1234567890 Naicisyhp6 Znaicisyhp6
Date Collected: 2023-02-14

Test results for Josh
CLINICAL HISTORY: .
COMPARISON: None.
TECHNIQUE: Portable 1 view Chest X-Ray.
FINDINGS:
Lungs/Pleura: The lungs are clear and expanded. There is no demonstrated pleural abnormality..
Heart/Mediastinum: Normal size heart. .
Bones: Normal.
Lines/tubes: None.
Other: Normal.
IMPRESSION:
Normal examination of the chest.
**** Final ****
Dictated: 02/14/2023 1:00 pm
Signed By: Lester , Elizabeth
Signed (Electronic Signature): 02/14/2023 1:00 pm



Clinical Information – Clinical Notes

Available Information:

- Clinical Notes
 - D/C Notes
 - Progress Notes
 - H&Ps
 - Consult Notes
 - And more!

Benefits:

- Improved medical history
- Enhanced care coordination

The screenshot displays the HIE InContext interface. On the left, a sidebar contains navigation icons. The main area shows a table of health records with columns for 'Date Collected' and a list of dates from 2023-03-16 to 2022-05-05. A modal window titled 'GILBERT GRAPE' is open, displaying a 'Progress Note-Physician' for patient G0163 Naicisyhp6 Znaicisyhp6, collected on 2023-02-14. The note content includes patient information, MRN (wa)08247059, location (Test WO; 9970; 01), and document details (Document Name: Progress Note-Physician, Auth (Verified), Performed By: Abebe, Meskerem (2/14/2023 12:18 EST)). The note also lists 'Objective', 'Vitals & Measurements& Measurements' (T: 36.5C(Oral) HR: 78(Apical) BP:130 /81), 'Antibiotics', 'No Active Anti-Infectives', and 'Inpatient Medication Orders'. A footer note states 'No qualifying data available'.



Clinical Information: Social Needs

Patient data includes:

- Social Needs Assessments
- Conditions (z-codes)

HIE InContext Gilbert Grape

ASSESSMENTS

Assessments

Hide Home Facility Data

Date ↓

2023-03-06

2022-06-20

2022-06-20

2022-06-13

2022-01-03

2022-01-03

2021-06-23

2021-06-22

2021-06-21

2021-06-21

2021-06-17

2021-06-16

Assessments

Priority Partners Referrals

2023-03-06

Living Situation

What is your living situation today?

I have a steady place to live

Think about the place you live. Do you have problems with any of the following? CHOOSE ALL THAT APPLY

Mold

Food

Transportation

Utilities

Safety

HIE InContext Gilbert Grape

Other | Jan 1, 1984

ASSESSMENTS **CONDITIONS**

Conditions

Date ↓	Source	Z-Code	Description
2022-01-27	ARS	Z59.1	Inadequate housing
2022-01-25	ARS	Z56.0	Unemployment, unspecified
2021-09-30	ARS	Z60.2	Problems related to living alone
2021-07-01	ARS	Z63.4	Disappearance and death of family member

Patient data includes:

- Care Team
- Care Alerts
- Referral History
- Advance Directives

HIE InContext Gilbert Grape
Other | Jan 1, 1984

CARE TEAM CARE ALERTS REFERRAL HISTORY ADVANCE DIRECTIVES

Care Team					
Source	Care Program ↓	Provider	Role	Start Date	Last Updated
YMCA of Metro Washington	ENS_YMCAMWSH	Dr. Smith	Primary Care Physician	2021-10-04	—
YMCA of Metro Washington	ENS_YMCAMWSH	Cash	Care Manager	2021-10-04	—
WIC	ENS_WICORG	Cash	Care Manager	2021-07-15	2021-07-15
WIC	ENS_WICORG	Dr. Smith	Primary Care Physician	2021-07-15	2021-07-15
St. Agnes Referrals	ENS_STAGREF	Dr. Smith	Primary Care Physician	2021-10-04	—
St. Agnes Referrals	ENS_STAGREF	Cash	Care Manager	2021-10-04	—
Medstar Family Choice Referrals	ENS_MSFCREF	Dr. Smith	Primary Care Physician	2021-10-04	—
Medstar Family Choice Referrals	ENS_MSFCREF	Mouse	Care Manager	2021-10-04	—
LifeBridge Health Referrals	ENS_LIMOCL	Cash	Care Manager	2021-07-29	2021-07-29
LifeBridge Health Referrals	ENS_LIMOCL	Dr. Smith	Primary Care Physician	2021-07-29	2021-07-29
Lifebridge Food Project	ENS_LBFOODPR	Dr. Smith	Primary Care Physician	2021-10-04	—
Lifebridge Food Project	ENS_LBFOODPR	Cash	Care Manager	2021-10-04	—



Supplemental Tools



Consent

CRISP Consent Consent History

Patient Consent to Disclose Substance Use Disorder and Mental Health Treatment Information Next

Patient Details

Name (First/Middle/Last)	GILBERT GRAPE
Date of Birth (mm/dd/yyyy)	01/01/1984
Address	4145 EARL C ADKINS DRIVE
City	RIVER
State	WV
Zip	26000
Phone	(999) 999-4349

Information about this Consent

By completing and signing this form, you will be allowing your Substance Use Disorder or Mental Health treatment provider to share information about your Substance Use Disorder AND Mental Health treatment with the Health Information Exchange who will then share it with other members of your health care team. These could include your primary care provider, hospital providers, emergency providers and other individuals who are involved in coordination of your care. The information may also be shared with your treatment providers who participate with the CRISP Shared Services affiliate Health Information Exchanges (HIEs) including Maryland, DC, West Virginia, Connecticut, Alaska, and any HIE affiliates in the future. These providers must adhere to all state and federal laws with regards to keeping your information private. You can request a list of providers who have received your information by completing an accounting of disclosures requests at <https://disclosures.crisphealth.org>. A list of Frequently Asked Questions (FAQ) about sharing Substance Use Disorder and Mental Health treatment data through CRISP can be found by clicking [here](#) or going to <https://www.crisphealth.org/consent-tool/>.

Consent to Disclose My Substance Use Disorder Treatment Information

From Whom	I authorize disclosure by any of my past, present, and future Substance Use Disorder and Mental Health treatment providers about any of my treatment, including my Substance Use Disorder and Mental Health treatment, that share data with CRISP Shared Services HIEs.
To Whom	I authorize disclosure of the above information to CRISP Shared Services affiliate HIEs, who may then disclose the information to any of my past, present, or future providers involved in my care who participate with the HIE or any of the HIE affiliates. I can request a list of all providers who have received my information by going to https://disclosures.crisphealth.org .

Type and Amount of Data

Purpose	The information shared will be used to help my health care team coordinate my care and provide health care treatment.
---------	---

Consent Options

Disclose All Substance Use Disorder and Mental Health Treatment Data
This could include my treatment plan, medications, lab results and clinical notes about my substance use disorder treatment or mental health care.

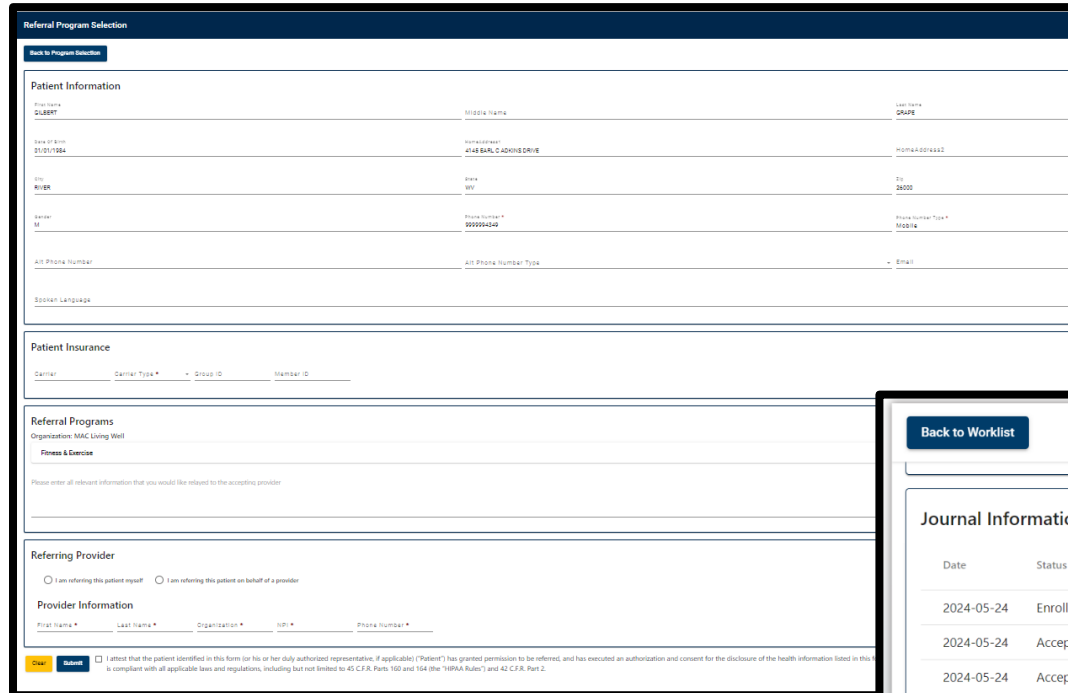
Disclose Substance Use Disorder and Mental Health Treatment Providers Contact Info Only
The information will include only my Substance Use Disorder and Mental Health treatment provider's name and contact information.

Ability to complete consents to disclose SUD/MH information

Closed loop referral workflow:

- Send referral
- CBO can manage incoming referrals
- Provider can track referrals they have sent

CBO Portal



Referral Program Selection

[Back to Program Selection](#)

Patient Information

First Name	DOB	DOB	Last Name
SUBERT	11/21/1984	11/21/1984	DUPE
Address	City	State	Zip
4148 BARCLAY DRIVE	NEW YORK	NY	10014
Phone Number	Phone Number Type	Phone Number	Phone Number Type
999999440	MOBILE	999999440	MOBILE

Patient Insurance

Carrier	Carrier Type	Group ID	Member ID
---------	--------------	----------	-----------

Referral Programs

Organization: MAC Living Well

Fitness & Exercise

Please enter all relevant information that you would like related to the accepting provider

Referring Provider

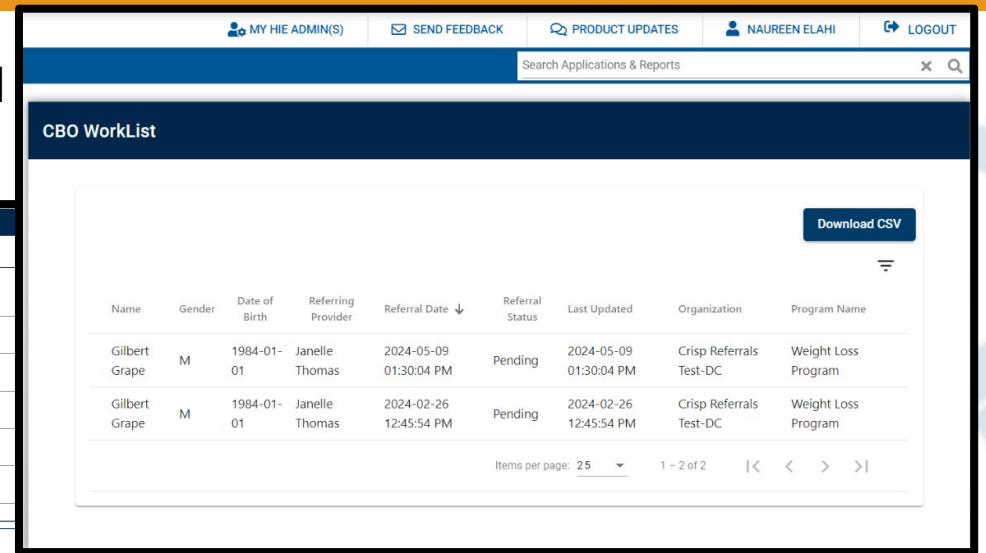
I am referring this patient myself I am referring this patient on behalf of a provider

Provider Information

First Name	Last Name	Organization	DOB	Phone Number
------------	-----------	--------------	-----	--------------

I attest that the patient identified in this form (or his or her duly authorized representative, if applicable) ("Patient") has granted permission to be referred, and has executed an authorization and consent for the disclosure of the health information listed in this form in compliance with all applicable laws and regulations, including but not limited to 45 C.F.R. Parts 160 and 164 (the "HIPAA Rules") and 42 C.F.R. Part 2.

Referral form

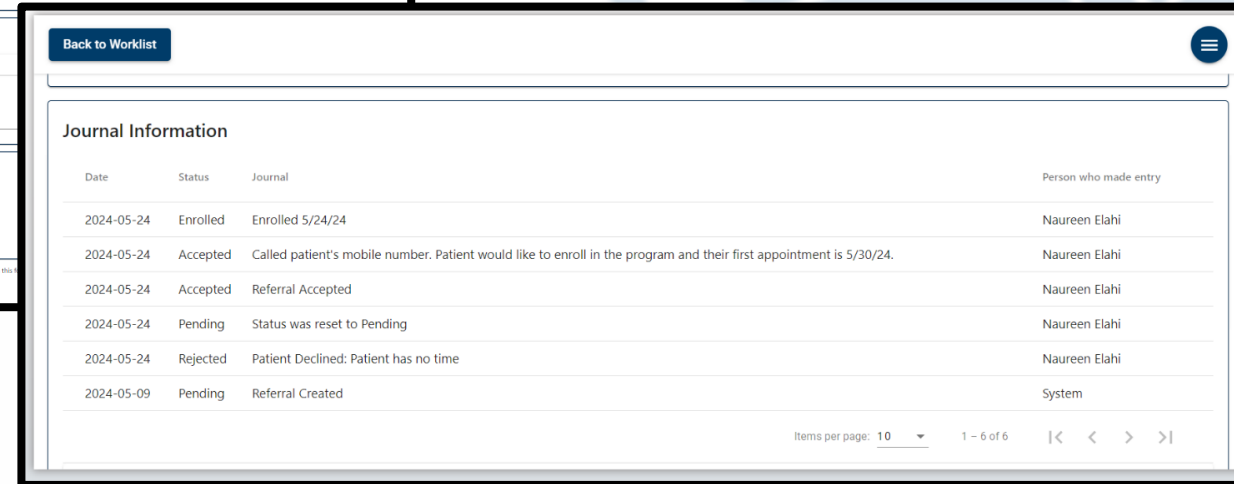


CBO WorkList

[Download CSV](#)

Name	Gender	Date of Birth	Referring Provider	Referral Date	Referral Status	Last Updated	Organization	Program Name
Gilbert Grape	M	1984-01-01	Janelle Thomas	2024-05-09 01:30:04 PM	Pending	2024-05-09 01:30:04 PM	Crisp Referrals Test-DC	Weight Loss Program
Gilbert Grape	M	1984-01-01	Janelle Thomas	2024-02-26 12:45:54 PM	Pending	2024-02-26 12:45:54 PM	Crisp Referrals Test-DC	Weight Loss Program

Items per page: 25 | 1 - 2 of 2



[Back to Worklist](#)

Journal Information

Date	Status	Journal	Person who made entry
2024-05-24	Enrolled	Enrolled 5/24/24	Naureen Elahi
2024-05-24	Accepted	Called patient's mobile number. Patient would like to enroll in the program and their first appointment is 5/30/24.	Naureen Elahi
2024-05-24	Accepted	Referral Accepted	Naureen Elahi
2024-05-24	Pending	Status was reset to Pending	Naureen Elahi
2024-05-24	Rejected	Patient Declined: Patient has no time	Naureen Elahi
2024-05-09	Pending	Referral Created	System

Items per page: 10 | 1 - 6 of 6

Provider Portal



Care Coordination



Care Coordination: CSS Event Delivery Service (CEND)

- Real-time alerts to appropriate providers based on treatment and care management relationships
- Interactive user interface within CRISP Portal or messages delivered into EHRs
- CEND subscription information (a patient's Care Team) is displayed at the point of care through Portal or In-Context

Population Explorer

The screenshot displays the 'Population Explorer' interface within a web application. The top navigation bar includes a 'HOME' button, a search bar for 'Search Applications & Reports', and an 'Export' button. The main content area is titled 'Population Explorer' and shows a list of patients on the left and detailed information on the right.

Table of Patients:

Notification Display Type	DOB	Gender	Admit Date	Notification Type	Facility
All	1993-08-01	Female	2023-09-01 14:00	Outpatient Encounter	University of Maryland Medical Center Midt...
All	1993-08-01	Female	2023-07-27 15:30	Emergency Encounter	University of Maryland Baltimore Washingto...
All	1993-08-01	Female	2023-07-19 03:29	Inpatient Encounter	University of Maryland Medical System
All	1993-08-01	Female	2023-07-10 14:05	Inpatient Encounter	University of Maryland Medical System
All	1993-08-01	Female	2023-07-10 14:05	Inpatient Encounter	University of Maryland Medical System

Follow-Up Status: Not Started

Patient Demographics:

First Name:	Gail
Last Name:	Demo
Gender:	Female
Address:	3250 Crisp Way, Columbia, MD, 21046
Home Phone:	555-112-1212
Work Phone:	
Date of Birth:	1993-08-01
Date of Death:	
Panel MRN:	210404861

Notification Details:

Notification Event Type:	
Notification Type:	Emergency Encounter

The interface also includes a 'Quick Filter' section on the right with an 'APPLY' button and 'Saved Filters' at the bottom right with 'Clear Filters' and 'Save Current Filter' buttons.



Care Coordination: CEND Custom Alerts

- CRISP can now support custom alerts outside of standard Population Explorer event notifications
- The alerts can leverage CPT, ICD10 and LOINC coding standards to identify specific healthcare events and alert the patient's care team for improved care coordination, reduced readmissions, and a better patient experience.
- CRISP alerts are delivered within a provider's workflow and are highly configurable, so users receive actionable data.

Alert Category ▾	Alert Type ▾	Description ▾
Condition Specific	End Stage Renal Disease (ESRD)	Notification that a patient is diagnosed with End Stage Renal Disease.
Care Coordination	Readmission	Notification that a patient has a hospital readmission.
Condition Specific	Diabetic Ketoacidosis (DKA)	Notification that a patient with Diabetes has a Diabetic Ketoacidosis event.
Condition Specific	COVID-19+	Notification that a patient is diagnosed with COVID-19.
Care Coordination	Immunization Alert	Notification that a patient misses a routine immunization.
Care Coordination	Pregnancy Lab Alert	Notification that a patient has a positive pregnancy test.
Care Coordination	LANE Diagnosis Alert	Notification that a patient has an Emergency Room visit for a low-acuity condition.
Care Coordination	Death Notice	Notification that a patient has expired.
Care Coordination	Timely Follow-up	Notification that a patient with a chronic condition has had a hospital encounter.



Program Administration & CRISP Reporting Services (CRS)



All Payer Reports

Use Cases

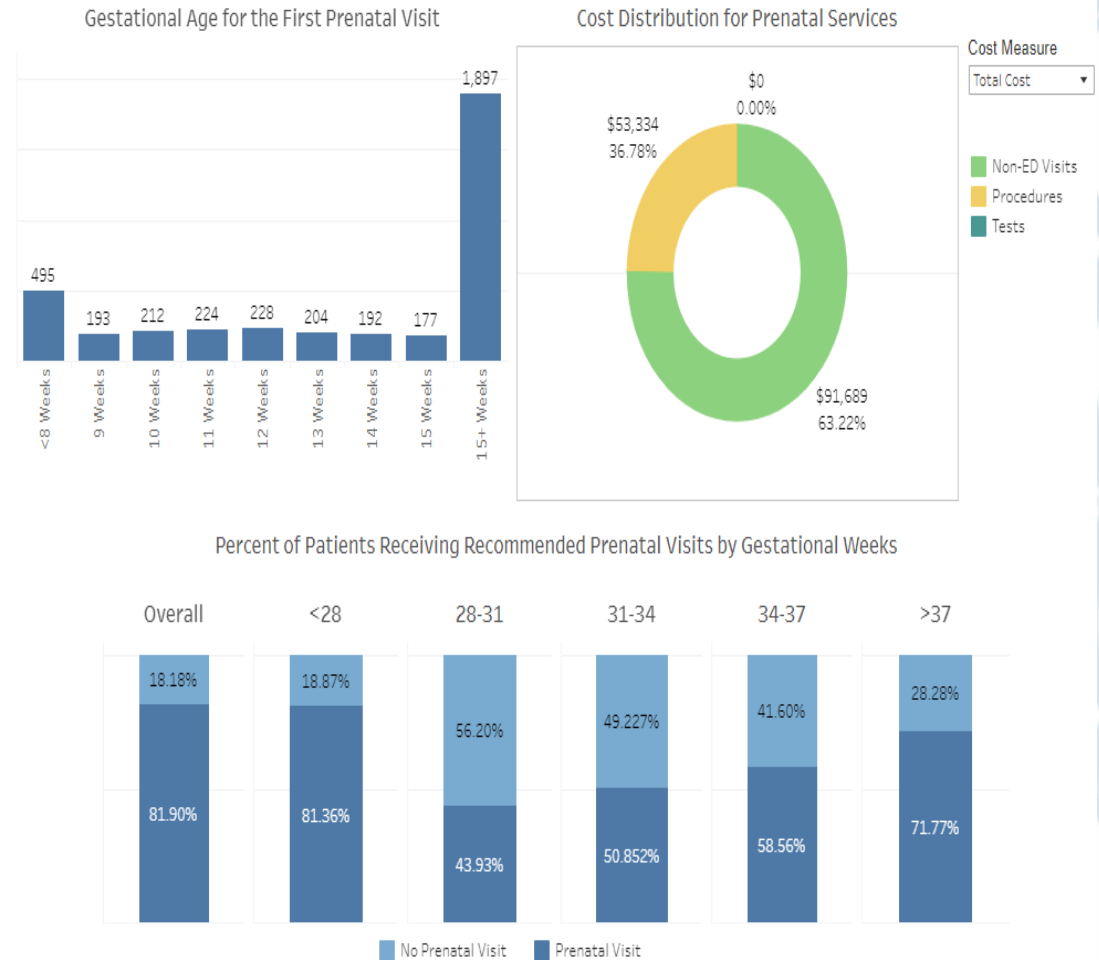
- View total patient visit count and charges
- Study your overall population by geographic locations and/or chronic conditions and, by age
- Analyze and compare total patient hospital cost for a subset of patients
- Track prenatal and postnatal care trends for completed or ongoing pregnancies over time
- View and compare hospital utilizations for attributed beneficiaries against a reference rates group

Data Sources

- Case Mix
- Medicare Claim and Claim Line Feed
- Medicaid

Reports

- Patient Total Hospitalizations (PaTH)
- Pre/Post Report
- NEW: Multi Payer Reporting Suite





Public Health Data Utility



Public Health: Health Data Utility

HB1127 requires the State-Designated HIE (CRISP) to operate as a Health Data Utility (HDU) for the State. Purposes include:

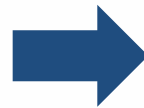
1. The collection, aggregation, and analysis of clinical information, public health data, and health administrative and operations data to assist the Department, local health departments, the Commission, and the Health Services Cost Review Commission in the evaluation of public health interventions and health equity;
2. The communication of data between public health officials and health care providers to advance disease control and health equity; and
3. The enhancement and acceleration of the interoperability of health information throughout the State.



Key Pillars of a Health Data Utility

Services

- Enrich Data
 - Link disparate data sets
 - Use multiple sources to fill gaps
 - Improve data feeds
 - Surface key insights
- Distribute Information
 - Create visualizations
 - Control access levels
 - Push individual clinical records
 - Share analytic files
- Enable Interventions
 - Flag patients at the point of care
 - Notify appropriate end users
 - Share relationships between organizations



Value

All data becomes more useful when it is linked, normalized, deduplicated, and cleansed within a single analytics engine

User experience is enhanced and usage increases when a single entity is responsible for governance and distribution

Alignment between population level reports and actionable individual experiences is more likely to result in positive change



CRISP

Resources

Training materials, recorded webinars, and patient education flyers can be found at: <https://crisphealth.org/>



Thank you!

Sheena Patel, MD, CMPE
sheena.patel@crisphealth.org



Lisa Hugh, DHA

*Founder and CEO,
Southern Maryland
Dietician*

Practice Perspective



Questions to Consider

- ▶ Which healthcare providers can use CRISP?
- ▶ Can for-profit, private practices access CRISP?
- ▶ CRISP seems complicated, how can it help us?



Southern Maryland Dietitian

The Road to Wellness Leads to SoMD Dietitian



About Southern Maryland Dietitian

- ▶ Private Practice
- ▶ Registered Dietitians & Clinical Nutrition Specialists
- ▶ Licensed in Maryland
- ▶ Started as in-person, solo practice
- ▶ Pivoted to Telehealth during Covid
- ▶ Participated in Advancing Practice Transformation Program
- ▶ Grew to team of 15+ providers



Southern Maryland Dietitian
The Road to Wellness Leads to SoMD Dietitian



Challenges

- ▶ Private Practice
 - ▶ No corporate team
 - ▶ EHR not integrated with other providers or disciplines
 - ▶ Difficulty obtaining referrals and medical records
 - ▶ New projects & tools can be difficult to implement



Southern Maryland Dietitian
The Road to Wellness Leads to SoMD Dietitian



Challenges

- ▶ High demand & need for nutrition services but lack of awareness
 - ▶ Many patients have good insurance coverage but don't know it
 - ▶ Referring providers often don't know either
 - ▶ We can see patients throughout the state
 - ▶ (Patients search by zip code; so do insurance companies)
 - ▶ We provide a range of services - not just weight loss.
 - ▶ (Diabetes, Tube Feeding, Peds, Bariatric Services, Thyroid, PCOS, Medically Complex patients)



Southern Maryland Dietitian
The Road to Wellness Leads to SoMD Dietitian



CRISP Helps us Help Patients

▶ Clinical Information

- ▶ Providers use patient's medical records for more robust nutrition assessment & documentation
- ▶ More accurate clinical information = more accurate insurance billing
- ▶ Better assessments = better outcomes for patients = better word of mouth & more referrals



Southern Maryland Dietitian
The Road to Wellness Leads to SoMD Dietitian



CRISP Helps us Help Patients

- ▶ Best Practices
 - ▶ Get Started – one step at a time
 - ▶ Create CRISP profiles for all new providers as part of onboarding process
 - ▶ When in doubt, Check CRISP
 - ▶ Use Your Resources – Our billing company helps with Patient Roster
 - ▶ Google Calendar Reminders (recurring)



Southern Maryland Dietitian
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CRISP Helps us Help Patients

- ▶ Next steps
 - ▶ Population Explorer & CEND custom alerts (hospitalizations)
 - ▶ Goal is to be more proactive with our past and current patients
 - ▶ Referrals
 - ▶ Goal is to be more be more visible to referring providers in CRISP and accept referrals as a Community Based Organization (CBO)
 - ▶ Win-Win-Win (Patients – Our Practice – Medical Neighborhood)



Southern Maryland Dietitian
The Road to Wellness Leads to SoMD Dietitian



Sarah Merritt, MD

*President, Lifestream Health
Center*

Practice Perspective



Questions to Consider

- ▶ What EMRs does CRISP/HIE integrate with? Or - Will my EMR do this?
- ▶ Who do I talk to at CRISP to start the process?
- ▶ How often do you check the charts for updates?
- ▶ How can I incorporate this into my practice?



How we use CRISP/HIE

IMAGING and CLINICAL NOTES:

- ▶ For staff – new patient protocol is to check CRISP for imaging;
 - ▶ We may additionally ask patient where they have had imaging – but checking direct is most efficient
- ▶ Athena integration – so easy I can pull it up in a visit!
 - ▶ Look at radiology
 - ▶ Notes including discharge summary and procedure notes, ER notes, even EMS notes

The screenshot shows the HIE InContext web application interface. The browser address bar displays the URL <https://incontext.crisphealth.org/patients/clinical-data>. The application header includes navigation tabs for HEALTH RECORDS, ENCOUNTERS, PROBLEMS, STRUCTURED DOCUMENTS, IMMUNIZATIONS, and ALLERGIES. Below the header, there are tabs for ALL, LABORATORY, RADIOLOGY, and CLINICAL NOTES. The RADIOLOGY tab is selected and circled in red. The main content area displays a table of radiology records with columns for Date Collected, Source, Description, and Provider. The table contains 14 rows of data, including entries from Washington Radiology Associates, Holy Cross Hospital at Germantown, and Suburban Hospital. A search bar and a 'Hide My Organization's Data' toggle are visible on the right side of the table.

Date Collected	Source	Description	Provider
2023-03-02	Washington Radiology Associates	PELVIS MRI WO CONTRAST	7918-4 DAVID PERIM
2023-02-21	Washington Radiology Associates	SPINE LUMBAR MRI WO CONTRAST	7918-4 DAVID PERIM
2021-03-28	Holy Cross Hospital at Germantown	CT Head w/o Contrast	1295711547 Joshua Heller
2021-03-15	Community Radiology (RadNet)	US Pelvic TA and TV	system NGOZI WEXLER
2020-07-07	Community Radiology (RadNet)	US Pelvic TA and TV	system DIANA SUNDAY
2019-11-19	Suburban Hospital	XR ANKLE LT MIN 3 VWS	1003831496 TODD TEMPLEMAN
2019-11-18	Suburban Hospital	XR T-SPINE 2 VWS	1003831496 TODD TEMPLEMAN
2019-11-18	Suburban Hospital	XR LUMBAR SPINE MIN 4 VWS	1003831496 TODD TEMPLEMAN
2019-11-18	Suburban Hospital	XR WRIST RT MIN 3 VWS	1003831496 TODD TEMPLEMAN
2019-11-18	Suburban Hospital	CT C-SPINE WO CONTRAST COMPLEX	1003831496 TODD TEMPLEMAN
2018-08-07	Washington Radiology Associates	KNEE R MRI WO CONTRAST	undefined undefined undefined
2018-07-30	Community Radiology (RadNet)	US Pelvic Complete	undefined undefined undefined
2018-05-13	Suburban Hospital	CT ABDOMEN/PELVIS W/ CONTRAST	1255408233 SHANNON REEVE



PDMP – 2 ways in EMR: Through the med list

The screenshot shows the EMR interface for a patient named Sarah A. Merritt, MD. The 'Medications' section is active, displaying a list of current medications: amlodipine-benazepril, c-ketamine 200mg troches, Celebrex, dextroamphetamine-amphetamine, dronabinol, Ketamine 200 mg sublingual troche: sublingual troche, ketamine 200mg troches, Ketamine sublingual troches: Ketamine sublingual troche, Marinol, and oxycodone. The 'Surgical History' section shows a revision of fusion of lumbar spine from 08-29-2024. The 'Recent Activity' section displays a list of visits, including a ketamine infusion on 11-12-2024 and follow-up visits on 10-16-2024. A 'Prescription drug monitoring report' window is open, showing a list of medications with their details and instructions.

The screenshot shows the EMR interface for a patient named Sarah A. Merritt, MD. The 'Medications' section is active, displaying a list of current medications: amlodipine-benazepril, c-ketamine 200mg troches, Celebrex, dextroamphetamine-amphetamine, dronabinol, Ketamine 200 mg sublingual troche: sublingual troche, ketamine 200mg troches, Ketamine sublingual troches: Ketamine sublingual troche, Marinol, and oxycodone. The 'Surgical History' section shows a revision of fusion of lumbar spine from 08-29-2024. The 'Recent Activity' section displays a list of visits, including a ketamine infusion on 11-12-2024 and follow-up visits on 10-16-2024. A 'Prescription drug monitoring report' window is open, showing a list of medications with their details and instructions.



PDMP – 2 ways in EMR: Through the med list

The screenshot shows the EMR interface with the 'Medications' panel open. The 'Prescription drug monitoring report' is displayed, showing a table of prescriptions. The table includes columns for Prescription #, Filled, Written, Drug Label, Qty, Days, Strength, Medd**, Prescriber, and Pharmacy. The report is filtered to show only active prescriptions, with drug categories for Opioids, Stimulants, Benzodiazepines, and Others selected. A 'LIVE CHAT SUPPORT' button is visible at the bottom of the report.

PRESCRIPTION #	FILLED	WRITTEN	DRUG LABEL	QTY	DAYS	STRENGTH	MEDD**	PRESCRIBER	PHARMACY
147803-0001	10/16/2024	10/16/2024	oxyCODONE HCL	120.0	15	15 MG	180.0	Sarah Merritt	Giant Food
147803-0001	10/16/2024	10/16/2024	Miscellaneous	60.0	30	10 MG	NA	Sarah Merritt	Cvs Carem
147803-0001	10/16/2024	10/16/2024		8.0	30	0	NA	Sarah Merritt	City Access
147803-0001	10/09/2024	10/09/2024	oxyCODONE HCL	64.0	8	15 MG	180.0	Sarah Merritt	Giant Food
147803-0001	09/26/2024	09/26/2024	oxyCODONE HCL	120.0	15	15 MG	180.0	Sarah Merritt	Giant Food
147803-0001	09/26/2024	09/26/2024		8.0	16	0	NA	Sarah Merritt	City Access
147803-0001	09/25/2024	09/25/2024	HYDRomorphone HCL	14.0	7	2 MG	16.0	Ryan Turkekul	Giant Food
147803-0001	09/13/2024	09/13/2024		15.0	30	0	NA	Sarah Merritt	City Access
147803-0001	09/12/2024	09/19/2024	oxyCODONE HCL	120.0	15	15 MG	180.0	Sarah Merritt	Giant Food
147803-0001	09/04/2024	09/04/2024	HYDRomorphone HCL	84.0	7	2 MG	96.0	Emily Alves	Giant Food

The screenshot shows the EMR interface with the 'Recent Activity' panel open. The 'Prescription drug monitoring report' is displayed, showing a list of recent activities. The list includes items such as 'celecoxib 200 mg capsule', 'follow up 15', 'oxycodone 15 mg tablet', and 'dronabinol 10 mg capsule'. A 'Quickview' menu is visible on the right side of the panel, with options like 'Create patient case', 'Create order group', 'Print chart sections', 'Print forms', 'Add document', 'Chart export', 'Third party applications', and 'Audit history'.

Activity	Date	Details
celecoxib 200 mg capsule	10-16-2024	
follow up 15	10-16-2024	Sarah Ann Merritt, MD, Pain Management
oxycodone 15 mg tablet	10-16-2024	
dronabinol 10 mg capsule	10-16-2024	



PDMP – Through “third party integration”

HI E InContext

PDMP REPORTED MEDICATIONS

Advisories Average Daily MME: 209 Overlapping Opioid & Benzos: 0 Overlapping Opioids: 20 Total Prescribers/Pharmacies: 3/1

Medication	State	Date Filled	Date Written	Days Supply	Quantity Dispensed	Refills Remaining	MME/Day	Prescriber	Pharmacy Name	Payment Method
oxyCODONE HCl 15 MG TABS	MD	2024-10-16	2024-10-16	15	120	0	180	SARAH MERRITT	GIANT FOOD INC	Commercial Insurance
droNABInol 10 MG CAPS	MD	2024-10-16	2024-10-16	30	60	0	—	SARAH MERRITT	CVS CAREMARK	Other
Compound incl. Ketamine HCl POWD	MD	2024-10-16	2024-10-16	30	8	0	—	SARAH MERRITT	CITY ACCESS PHARMACY LLC	Commercial Insurance
oxyCODONE HCl 15 MG TABS	MD	2024-10-09	2024-10-09	8	64	0	180	SARAH MERRITT	GIANT FOOD INC	Commercial Insurance
oxyCODONE HCl 15 MG TABS	MD	2024-09-28	2024-09-26	15	120	0	180	SARAH MERRITT	GIANT FOOD INC	Commercial Insurance
Compound incl. Ketamine HCl POWD	MD	2024-09-26	2024-09-26	16	8	0	—	SARAH MERRITT	CITY ACCESS PHARMACY LLC	Private Pay (Cash, Charge, Credit Card)
HYDRomphone HCl 2 MG TABS	MD	2024-09-25	2024-09-25	7	14	0	20	RYAN TURKEKUL	GIANT FOOD INC	Commercial Insurance

HI E InContext

PDMP REPORTED MEDICATIONS

Advisories Average Daily MME: 0 Overlapping Opioid & Benzos: 0 Overlapping Opioids: 0 Total Prescribers/Pharmacies: 0/0

Medication	State	Date Filled	Date Written	Days Supply	Quantity Dispensed	Refills Remaining	MME/Day	Prescriber	Pharmacy Name	Payment Method
oxyCODONE HCl 30 MG TABS	MD	2020-11-20	2020-11-20	30	80	0	120.000	RAIA MINASSIAN	GIANT PHARMACY #327	Commercial Insurance
oxyCODONE HCl 30 MG TABS	MD	2020-10-23	2020-10-23	26	80	0	138.462	RAIA MINASSIAN	GIANT PHARMACY #327	Commercial Insurance
oxyCODONE HCl 30 MG TABS	MD	2020-09-24	2020-09-24	26	80	0	138.462	RAIA MINASSIAN	GIANT PHARMACY #327	Commercial Insurance
oxyCODONE HCl 30 MG TABS	MD	2020-08-25	2020-08-24	30	90	0	135	RAIA MINASSIAN	GIANT PHARMACY #327	Commercial Insurance
oxyCODONE HCl 30 MG TABS	MD	2020-07-28	2020-07-28	30	90	0	135	RAIA MINASSIAN	GIANT PHARMACY #327	Commercial Insurance
oxyCODONE HCl 30 MG TABS	MD	2020-07-02	2020-07-02	30	90	0	135	ANTON MINASSIAN	GIANT PHARMACY #327	Commercial Insurance
oxyCODONE HCl 30 MG TABS	MD	2020-06-09	2020-06-09	30	90	0	135	ANTON MINASSIAN	NAI SATURN EASTERN LLC	Commercial Insurance



Case examples

- ▶ Patient JH – Hospitalized and presents for evaluation postop after back surgery. Patient doesn't have exact name of operation or med list.
 - ▶ Use CRISP to pull discharge summary with med list, dates of hospitalization, exact operation, etc. to update our records.
 - ▶ Result – able to bill for TCM /transition of care management visit and make sure he had appropriately filled medication to continue healing and prevent ED visit.
- ▶ Patient CA – Opioid patient s/p biopsy and says she has been diagnosed with cancer.
 - ▶ Solution: Were able to review hospital records to determine she has renal cancer, and to see what medications given in hospital and recommendations at discharge.
 - ▶ Result – better clinical decisions
- ▶ Patient RJ – we got a CRISP alert that this patient had an ER visit.
 - ▶ Upon review, the patient had passed out in a front yard and endorsed using heroin. This wasn't information the patient had divulged or we were able to get any other way
 - ▶ Result – offer transition to buprenorphine.
 - ▶ Other similar cases for patient with overdose history in ER and EMS records that was not divulged at new consult



Case examples

- ▶ Patient KS– Seen for regular follow up but had intervening unexpected hospitalization
 - ▶ Reviewed record of hospitalization with CSF leak; surgery; revisions, meningitis. Able to review records.
 - ▶ Result – able to determine single prescription from another prescriber was appropriate after surgery
- ▶ Patient MC with multiple ED visits and describes loss of bowel and bladder.
 - ▶ Record review shows neurology and surgery have evaluated him and his diagnosis is functional neurologic disorder.
- ▶ Patient DR with steroid injection from ortho – helps us be aware of patient total steroid injection dose in a year if we consider additional injections



Sanjay Saxena, MD, CPC

Hagerstown Family Medicine

Practice Perspective



Attitude

- ▶ Example of Dr. J in our panel



Work Flow

- ▶ Identify one primary individual
- ▶ Time to download reports
- ▶ Research data
- ▶ Disseminate info to providers
- ▶ Submit data



Office meetings

- ▶ Identify who all is involved
- ▶ Educate importance of data mining
- ▶ Routine update meetings



Review Reports

- ▶ AHI
- ▶ ED visits
- ▶ PQI

Prediction Tools

Claims available through 7/31/2024

Practice: Hagerstown Family Medicine, PC (T1MD1050)
CTO: No CTO (NO_CTO)

Prediction Score Key

- Top 1st Percentile
- Between 2nd and 5th Percentile
- Between 6th and 10th Percentile
- Between 11th and 20th Percentile
- Between 21st and 100th Percentile

The percentiles are determined at a single practice-level and do not vary when selecting more than one practice or sub-populations within a practice

Prediction Tool
Avoidable Hospital Events (Pre-AM)

Search By
Beneficiary ID

Key
All

MBI	Beneficiary Name	Gender	DOB	Age	Medicare Status	Dual Status	Zip+4	ADI	PracticeID	HCC Tier	HEART	PQH-Like Events	≥4 ED Visits Super Utilizer	Prediction Score	Claim Payment Amount
					Aged without ESRD	No	21740	48	T1MD1050	Complex	No	2	No	12.78%	\$41,458
					Aged without ESRD	No	21740-1901	85	T1MD1050	Complex	Yes	1	No	6.67%	\$18,802
					Aged without ESRD	No	21722-1119	43	T1MD1050	Tier 4	No	1	No	6.48%	\$32,671
					Aged without ESRD	No	21740-7241	81	T1MD1050	Tier 4	Yes	1	No	4.84%	\$15,796
					Aged without ESRD	No	21742-2479	30	T1MD1050	Complex	No	1	No	3.47%	\$68,732
					Aged without ESRD	No	21740-8968	99	T1MD1050	Complex	Yes	0	No	2.28%	\$21,160
					Aged without ESRD	No	21742-6759	48	T1MD1050	Tier 4	No	1	No	2.20%	\$3,974
					Aged without ESRD	No	21	T1MD1050	Tier 4	No	0	No	No	2.08%	\$26,866
					Aged without ESRD	No	21740-2484	45	T1MD1050	Tier 3	No	0	No	1.83%	\$73,071
					Disabled without ES..	Yes	21740-3776	84	T1MD1050	Tier 2	No	2	Yes	1.68%	\$81,576
					Aged without ESRD	No	21740-7894	88	T1MD1050	Tier 4	Yes	0	No	1.62%	\$3,708
					Aged without ESRD	No	21740-5717	84	T1MD1050	Complex	Yes	0	No	1.58%	\$82,436
					Aged without ESRD	Yes	21783-9706	41	T1MD1050	Tier 3	No	1	No	1.56%	\$6,248
					Aged without ESRD	No	21795-4000	35	T1MD1050	Complex	No	0	No	1.54%	\$8,624
					Disabled without ES..	No	21740-7842	83	T1MD1050	Complex	Yes	0	No	1.49%	\$4,017
					Aged without ESRD	Yes	59	T1MD1050	Complex	Yes	0	No	No	1.32%	\$6,007
					Aged without ESRD	No	21795-2178	88	T1MD1050	Complex	Yes	0	No	1.27%	\$3,082
					Aged without ESRD	No	21782-1716	45	T1MD1050	Complex	No	0	No	1.22%	\$822
					Disabled without ES..	Yes	21740-6384	79	T1MD1050	Complex	Yes	0	No	1.18%	\$14,366
					Aged without ESRD	No	21740-6132	48	T1MD1050	Tier 4	No	0	No	1.10%	\$24,036
					Aged without ESRD	No	21740-6046	83	T1MD1050	Tier 4	Yes	0	Yes	1.03%	\$6,889
					Aged without ESRD	No	21740-1319	37	T1MD1050	Complex	No	0	No	0.96%	\$106,476
					Aged without ESRD	No	21722	44	T1MD1050	Complex	No	0	No	0.93%	\$780
					Aged without ESRD	No	21795-1019	88	T1MD1050	Tier 2	No	1	No	0.88%	\$75,729
					Aged without ESRD	Yes	21742-2829	30	T1MD1050	Complex	No	0	No	0.88%	\$80,666
					Aged without ESRD	No	21782-1317	45	T1MD1050	Tier 4	No	0	No	0.80%	\$10,271
					Aged without ESRD	No	21740-7120	81	T1MD1050	Tier 3	No	0	No	0.79%	\$8,078
					Disabled without ES..	No	21795-1649	86	T1MD1050	Tier 3	No	0	No	0.78%	\$2,232
					Aged without ESRD	No	21740-7241	81	T1MD1050	Tier 3	No	1	No	0.78%	\$13,689

Inpatient / ER Utilization Report

Practice: Hagerstown Family Medicine, PC (T1MD1050)
CTO: No CTO (NO_CTO)

Claims available through
7/31/2024.

CCLF data after 4/30/2024 is
considered incomplete due to lag.

State - Comparison
State - MDPCP

Service Start Month
August 2021

Service End Month
April 2024

IP Admissions per K

MDPCP State	137
Practice	92

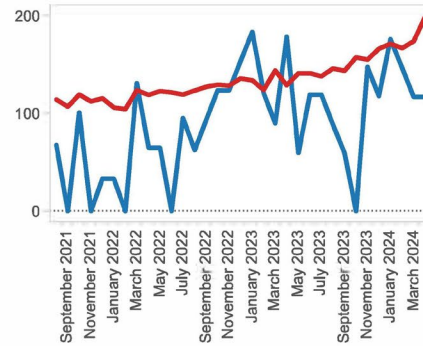
Readmission Rate

MDPCP State	9.5%
Practice	5.3%

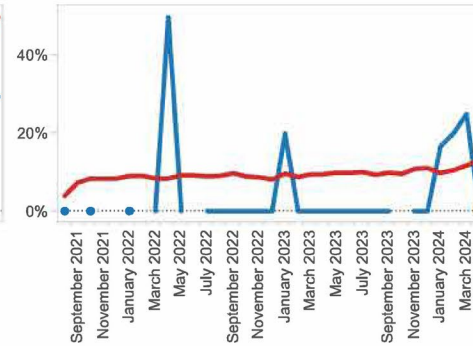
ER Visits per K

MDPCP State	313
Practice	247

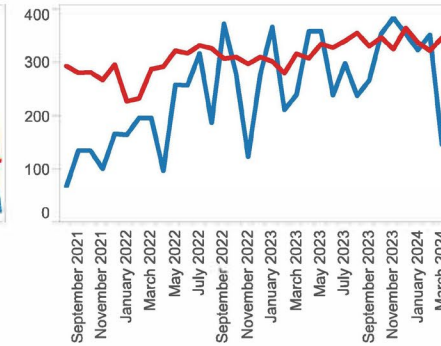
IP Admissions per K Trend



Readmission Rate Trend

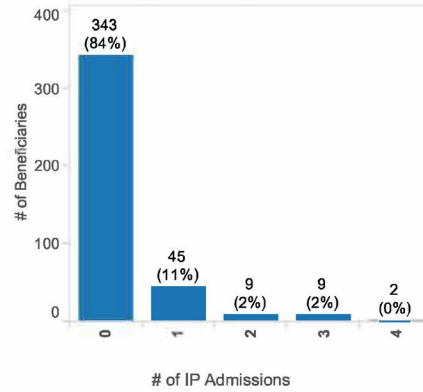


ER Visits per K Trend

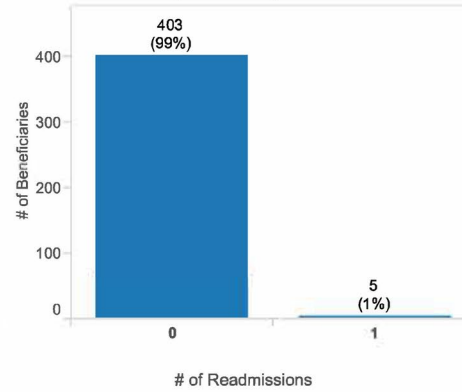


Legend: Red line indicates the measure for the selected State - Comparison

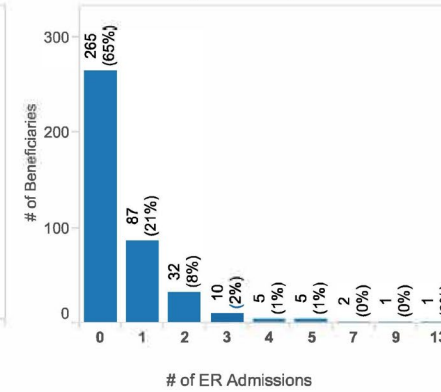
Beneficiary Count by IP Admissions



Beneficiary Count by Readmission



Beneficiary Count by ER Visits



Click and drag over multiple categories to access a drill-through for all selected categories.

PQJ-Like Utilization Report

Claims available through 7/31/2024.

Practice: Hagerstown Family Medicine, PC (T1MD1050)
CTO: No CTO (NO_CTO)

CCLF data after 4/30/2024 is considered incomplete due to lag.

State - Comparison
State - MDPCP

Service Start Month
August 2021

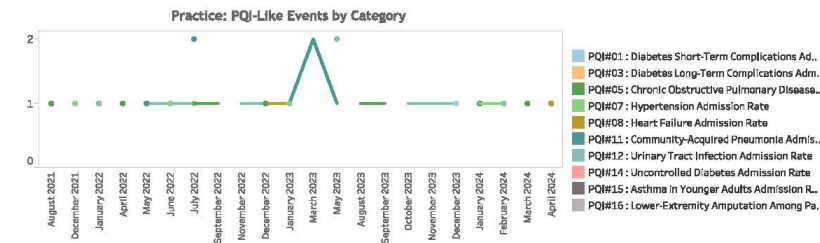
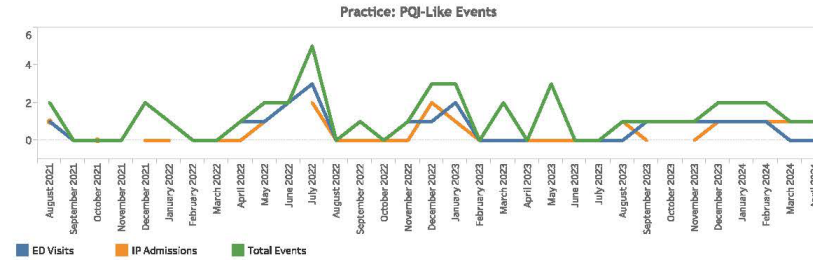
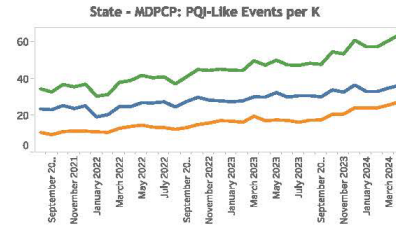
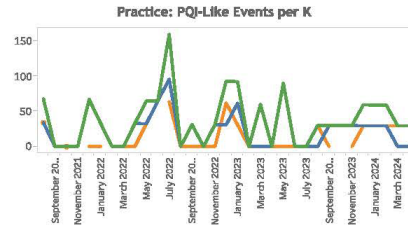
Service End Month
April 2024

PQJ-Like Events per K

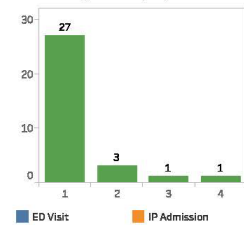
MDPCP State	45
Practice	38

PQJ-Like Events

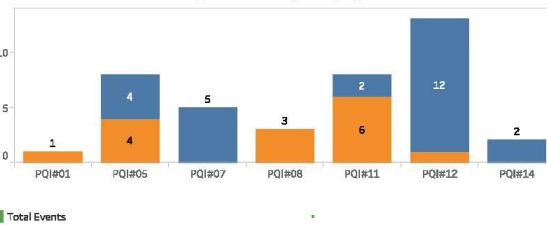
Practice	40
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Beneficiary Count by PQJ-Like Event



PQJ-Like Events by Category



PQJ's in this report are defined using inpatient admissions as well as emergency room visits, which differs from the standard AHRQ PQJ definition. As such, this report uses the term "PQJ-like" to differentiate from the standard definition. See the MDPCP Reports User Guide for more information.

Click and drag over multiple categories to access a drill-through for all selected categories



THANK YOU



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