



**CRISP**

*Connecting Physicians With Technology  
to Improve Patient Care in Maryland*

Chesapeake Regional Information System for Our Patients

# CRISP: Maryland's Health Information Exchange

*Update to the Telemedicine Task Force –  
Technology Solutions & Standards  
Advisory Committee*

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# CRISP Current Suite of Services

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## 1. Query Portal

- Gives providers access to prior hospital and medication records

## 2. Health Benefits Exchange

## 3. Encounter Notification System (ENS)

- Notifies in real time about patient visits to the hospital

## 4. Direct Secure Messaging

- Enables referrals and other care coordination

## 5. Encounter Reporting System (ERS)

- Helps hospitals understand readmission patterns



# The CRISP Query Portal

Chesapeake Regional Information System for Our Patients



CRISP TEST  
Crisp Provider | Logout

Patients  
Patient »

### Patient Actions

- Back to List
- Download CCD
- Download Summary PDF
- Configure Layout

**Doe, Jane** Female 06/13/1943 (70 yrs) (Community ID: 212452)

Summary More Patient Information

#### Results (5)

Date	Name	Source
12/02/2012	XR CHEST PA/LAT 2V	FWMC
10/15/2012	TROPONIN-I	FWMC
10/15/2012	CK , BLOOD	FWMC
10/15/2012	CHEM7 + CAL, (BMP)	FWMC
10/15/2012	CBC	FWMC

#### Allergies (2)

Allergen	Reactions	Reported
CODEINE	HALLUCINATE	10/26/2012
PHENERGAN	HALLUCINATE	10/26/2012

#### Encounters (1)

Date	Type	Source	Class
12/02/2012	EMERGENCY	FWMC	E

#### Medications (1)

Date	Name	Source
12/02/2012	HYDROCODONE	PDMP

#### Procedures (0) Immunizations (0)

No Procedures to display

#### Problems (0)

No Problems to display

#### Social History (0) Attachments (0) More

No Social History to display

results





# Portal Upgrade – September Go-Live

Chesapeake Regional Information System for Our Patients

- **Usability improvements:**
  - Clinical results will now be tied to the appropriate encounter. You can click on individual encounters and see only the results that occurred during that encounter
  - Addendum and corrected results will automatically link to the original result, so you do not need to open multiple addendums
  - Lab notes for each individual observation now display directly beneath the appropriate observation and not at the bottom of the panel
  - Ability to download patient summary as CCD or PDF (over a user inputted time range)
- **Chrome, Firefox and Safari browser support**
- **Quicker load times**
- **Greater flexibility to add new features**



# CRISP Provider Information Management

Chesapeake Regional Information System for Our Patients

- CRISP is helping the Maryland benefits exchange verify and match provider demographic information against existing national data sources using existing cleansing and updating processes
- Leverages multiple data sources to create a consolidated provider file
- Enables consumers using the health insurance exchange to search for coverage options based on provider



# CRISP Provider Information Management

Chesapeake Regional Information System for Our Patients

- Database of over one million U.S. physicians maintained by Optum

- Over 2.5 million total providers

- Data sources include:

- Federal (CMS, SSA, DEA#)
- State licensure
- Postal Service
- Hospital provided data
- Primary source and provider-attested data from Optum
- Fraud detection services
- Others

As of 1/25/2013	Data Element	Physicians		Dentists		Other Professional		
		Filled		Filled		Filled		
		#	%	#	%	#	%	
Provider Data	Personal	Name	32,018	100.0%	5,427	100.0%	34,321	100.0%
		Gender	31,846	99.5%	5,332	98.2%	34,218	99.7%
		Birth Date	22,021	68.8%	2,139	39.4%	11,951	34.8%
		Language*	9,422	29.4%	1,414	26.1%	3,283	9.6%
	Medical Education & Specialty	Degree	32,018	100.0%	5,347	98.5%	31,218	91.0%
		Medical School	18,962	59.2%	2,526	46.5%	9,916	28.9%
		Residency	16,506	51.6%	504	9.3%	3,100	9.0%
		Specialty	27,041	84.5%	4,499	82.9%	21,701	63.2%
	Medical Licenses & Numbers	Provider Type	32,018	100.0%	5,427	100.0%	34,321	100.0%
		License	29,476	92.1%	5,041	92.9%	30,569	89.1%
		NPI	28,239	88.2%	4,645	85.6%	32,030	93.3%
		UPIN	17,398	54.3%	394	7.3%	6,008	17.5%
	Practice Data	DEA Number	23,350	72.9%	4,183	77.1%	9,074	26.4%
		Address	32,018	100.0%	5,427	100.0%	34,321	100.0%
		Phone	29,104	90.9%	5,034	92.8%	32,010	93.3%
		Fax	21,855	68.3%	3,007	55.4%	20,158	58.7%
		Practice Affiliation	17,195	53.7%	2,380	43.9%	16,387	47.7%
	Other	Hospital Affiliation	18,362	57.3%	240	4.4%	5,109	14.9%
		Tax ID	21,757	68.0%	2,126	39.2%	14,857	43.3%
		Sanction	701	2.2%	93	1.7%	362	1.1%
Medicare Enrollment		20,275	63.3%	195	3.6%	9,604	28.0%	
	Medicare Opt-Out	222	0.7%	46	0.8%	219	0.6%	



# PIM: Future Opportunities

Chesapeake Regional Information System for Our Patients

- This new capability could position CRISP to do other things in the future, should stakeholders see value in them:
  - Primary source verification or medical credentials
  - Coordination with HIE and/or telemedicine provider directories
  - Physician portal to maintain / enhance information
  - Storage of electronic address information for providers (i.e. Direct address, EMR endpoint data, telemedicine specifications)
  - Individual provider to entity relationships data
  - External APIs / data feeds



# *Questions?*

