

Clinical Opioid Summary with Rx Integration

OVERVIEW

- COSRI is a web app, used either free-standing or integrated into the electronic health record, that connects directly to the Washington (WA) State Prescription Monitoring Program (PMP) via the WA State Health Information Exchange to provide opioid Clinical Decisions Support (CDS) for providers, using the FHIR standard.
- Developed through a partnership between the University of Washington, WA State Department of Health (DoH), and WA Health Care Authority (HCA).
- COSRI implements both CDC guidelines and WA State rules for opioid prescribing using computable logic.
- Designed with extensive user experience and engagement to address providers' needs and concerns.
- Robust validation of individual drug and combined total daily milligram morphine equivalent (MME) calculations.
- Pilot tested being Sept 2021 in two primary care clinics in WA serving rural and vulnerable populations.

PROVIDER FEEDBACK

- Following implementation at 2 community clinics during Sept 2021, COSRI has become the primary method for accessing PMP data.
- COSRI is fast, enabling flexible workflows and use as a patient education/ shared decision support tool.
- Clinical decision support and alerts are useful.
- COSRI saves time and simplifies PMP access.

PROVIDER QUOTES

"...it's a pretty straightforward system which is nice..."

"That's the biggest thing, It's just very, very quick. A couple of clicks and you have the information..."

"I really like the patient search. I like how I don't have to have the patient's date of birth, you know, in front of me, like with the PMP."

"What I like is being able to sort through multiple things at one time, without having to open up a patient chart."

"It's really fast when I type in the last name and I love how the patient, just pops up right there..."

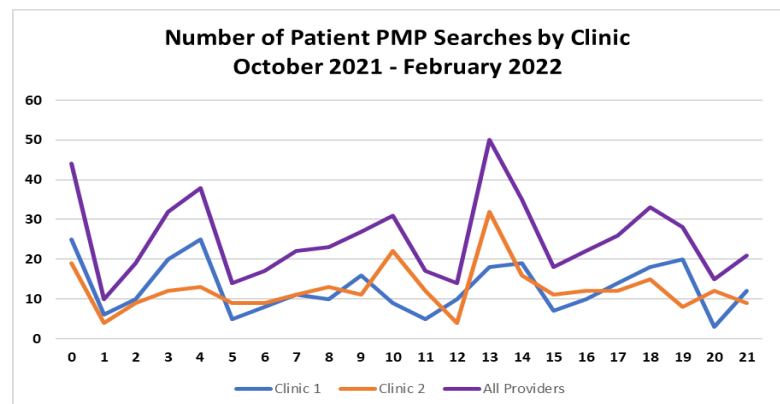
"The layout is just very nice and easy to see. It's easier to look at than the [other ways of accessing PMP]"

"What I like is being able to sort through multiple things at one time, without having to open up a patient chart."

"It's not uncommon that I'll be writing something for someone else's patient who I don't see and having something that's quick and available is probably the biggest safety check."

USAGE MEASURES

- 8 providers now log in 20-40 times per week depending on patient prescribing needs.
- On average, 27 patients' PMP records are viewed per week using COSRI.
- Login time was reduced from 2 min 17 sec to 8.5 seconds.
- Patient search and load time was reduced from 2 minutes to 18.7 seconds.
- 5465 opioids with MME calculations were viewed between Sept 2021 and Feb 2022.



	Other PMP Interfaces (seconds)	COSRI (seconds) Mean (median; range)	p-value
Login time			
Password saved	NA	4 (4; 3-5)	
Password not saved	137	8.5 (8; 7-10)	<0.0001
PMP patient load time	120	18.7 (16; 1-57)	<0.0001

COSRI is freely available to WA State providers and clinics.

Try it out! COSRI Demo: <https://demo.cosri.app>

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