

MEDICAL DIVERSION PREVENTION

Community Medical Center Inc, CAH, Falls City, Nebraska



Background

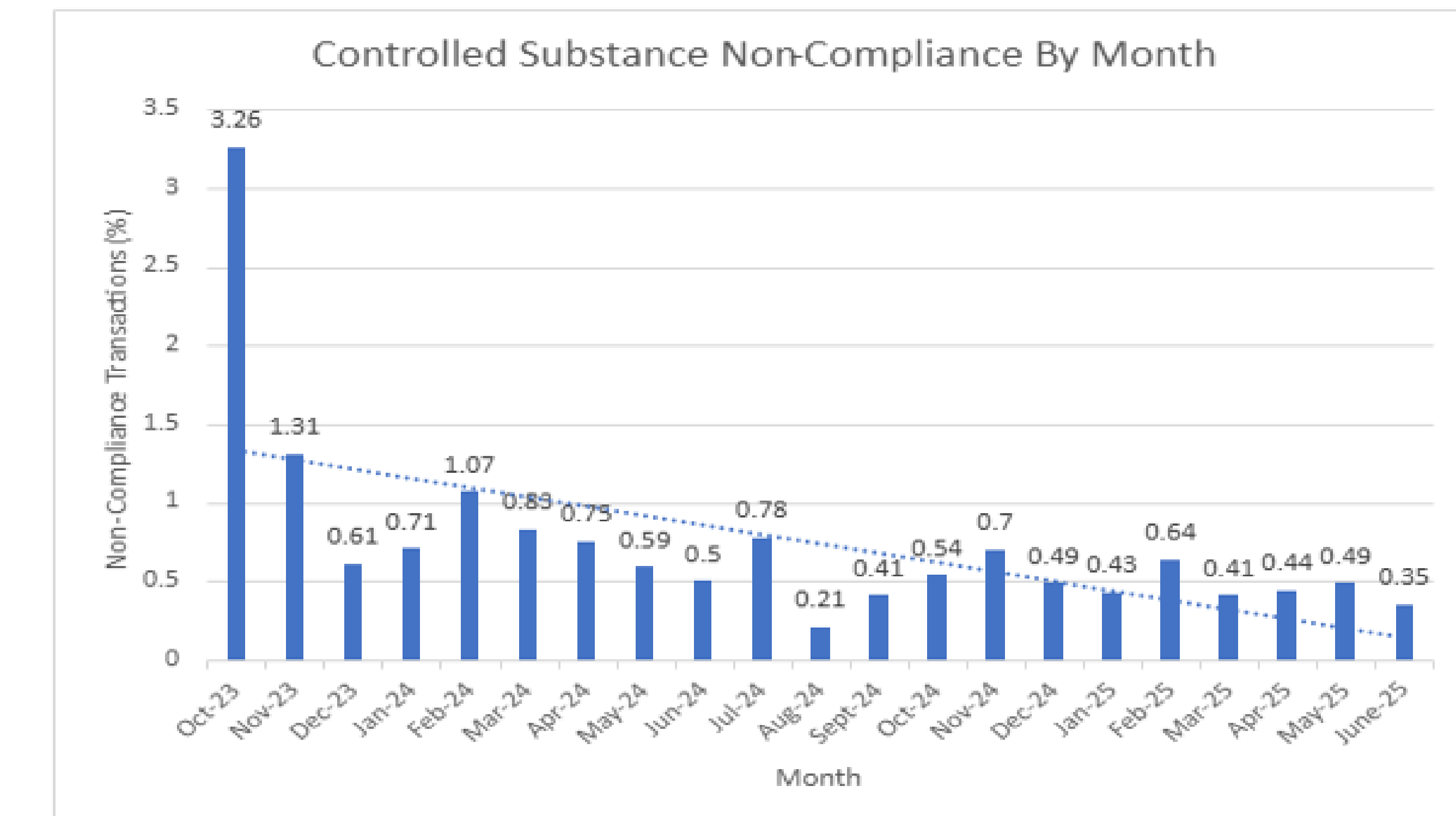
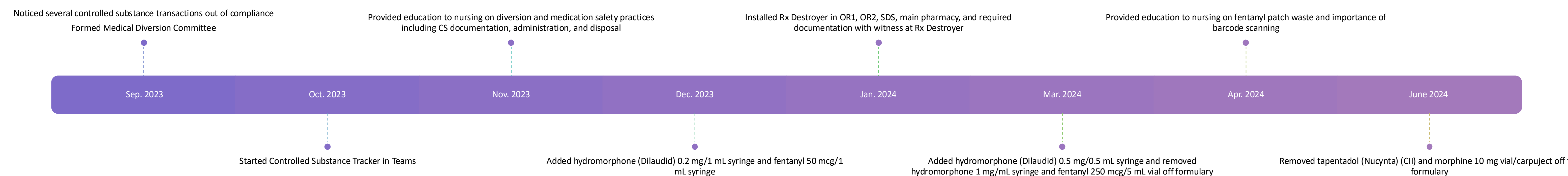
- Community Medical Center is a Critical Access Hospital with 22 licensed beds in Falls City, Nebraska
- In September 2023, we noticed several controlled substance (CS) transactions were out of compliance during our audits. Our pharmacy technicians contacted several employees to correct CS documentation errors, and a lot of the time these errors weren't corrected in a timely manner. This was a concern for diversion and led us to our CS Diversion Prevention Quality Project.

Plan

- September 2023** – Formed the Medical Diversion Committee
- November 2023** – Provided education to nursing staff on diversion and medication safety practices including CS documentation, administration, and disposal.
- December 2023** – Added ready to use (RTU) hydromorphone 0.2 mg syringe and fentanyl 50 mcg syringe to formulary
- January 2024** – Installed Rx Destroyer in additional areas including operating rooms, surgery department, and the pharmacy. Required documentation with witness at pyxis and Rx Destroyer
- March 2024** – Added RTU hydromorphone 0.5 mg syringe and Removed hydromorphone 1 mg syringe and fentanyl 250 mcg vial off formulary
- April 2024** – Provided education to nursing staff on fentanyl patch waste and the importance of barcode scanning
- June 2024** – Removed tapentadol and morphine 10 mg vial/carpject off formulary

Results

- Before implementation, we were averaging over 3% of non-compliant transactions. Our goal was to have less than 1% of CS non-compliant transactions per month. The following bar graph shows the significant improvement in non-compliance (%) over time and reflects the success of interventions made.



Aims

- Reduce controlled substance transactions out of compliance to < 1%

Measure

- Number of controlled substance transactions out of compliance.

Next Steps

- Continue to monitor and meet monthly to ensure compliance.
- Implement multimodal analgesic order set to decrease CS use.
- Add security cameras to Pyxis sites
- Incorporate broader quality improvement efforts into the project

Medical Diversion Team

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