

THE OPIOID EPIDEMIC IS CAUSING BARRIERS TO THE MANAGEMENT OF CANCER-RELATED PAIN IN THE UNITED STATES

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BACKGROUND

- Cancer-related pain is a common and significant challenge in patients with advanced cancer, with opioids serving as the
 cornerstone of effective pain management.
- Adequate pain control is critical for maintaining quality of life in these patients.
- The evidenced growing impact of the opioid epidemic has introduced significant systemic, behavioral, and safety challenges leading to barriers in achieving effective pain management.
- In our Supportive Care Clinic in Mobile, AL, which now manages roughly 400 patients annually, we have observed a notable increase in difficulties addressing cancer-related pain that we believe to be due to factors associated with diminished healthcare access and increased policy-driven regulations.
- This study highlights the effects and impacts of these barriers on the oversight and management of cancer-related pain
 in the advanced cancer care of our patient population.

METHODS Definition Study Design and Participants Category Tracked Abbreviation Patient called multiple times for To quantify the barriers observed in managing cancer-Multiple Calls the same refill related pain, a database was created and maintained Patient requested refill earlier that included all 251 adult outpatients (2022) and 407 Early Refill than the scheduled date adult outpatients (2025) who presented for treatment Plan of Care Pharmacy-related delays in at an academic supportive care clinic. medication refill Pharm Pharmacy Issues **BEH** Uncategorized behavioral issue Behavioral Issues / Violation **Procedures** LEG Legal Issues During each outpatient encounter, if aberrant behavior Urine drug screen did not detect **UDS Not Showing Prescribed Drugs UDS NEG** prescribed medications was observed, the overseeing Supportive Care Urine drug screen detected non-Oncologist denoted and categorized the violation type **UDS POS** UDS Showing Non-Prescribed Drugs prescribed substances in the database. Key metrics analyzed included patient behavioral Two or more clinicians boundary violations, and key factors believed to be tied MD2+ Multiple Prescribers prescribing controlled substances **Financial Barriers** to the opioid epidemic, such as pharmacy-related Lack of alignment in medication issues linked to the aberrant behavior. Refill Asynchrony **ASSY** refill timing Figure 1 defines each abbreviation that was used to Concurrent hospitalization and

DD

NACLM

NFU

FAM

PDMP

LOM

Education

Double Dipping

No Follow-Up

Lost Medication

Figure 1. Boundary violation abbreviations and definitions

Family Issue

Conflict

No Contact, No Message

No Contact, Message Left

Prescription Monitoring Program

Education on Pharmacy Shortage

Data Analysis

- A retrospective review of the database was conducted, comparing data from May 2022 to May 2025.
- Violations were then categorized and quantified as a percentage of the total patient population for each time point.

describe the behavioral violation.

- If multiples of the same violation were observed for the same patient, the violation was summative.
- Primary outcomes, analyzed using two-proportion z tests, included change overtime in the observed violations. Alpha was set at 0.05 for all analyses.

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outpatient medication refill

message

being left

No answer and unable to leave a

No return follow-up from patient

(Definition unspecified; possibly

Patient education provided on

state database concern)

medication access barriers

Patient reported losing

prescribed medication

No response despite message

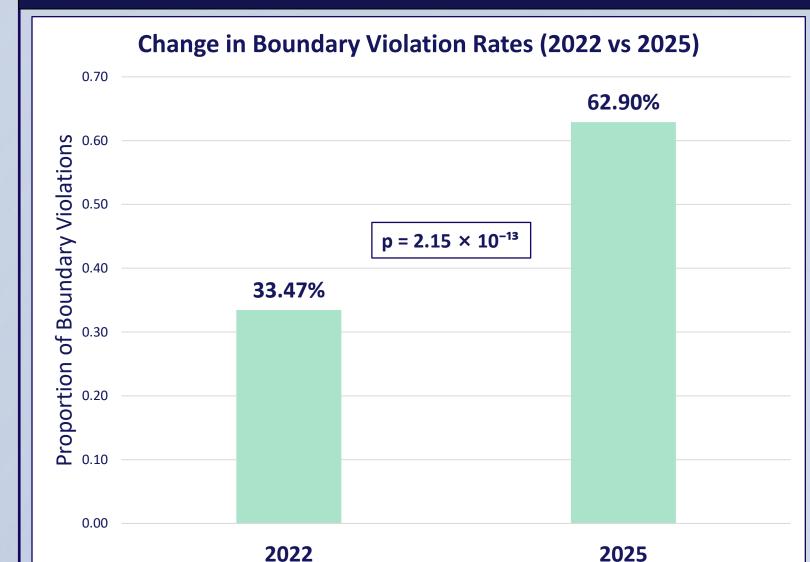
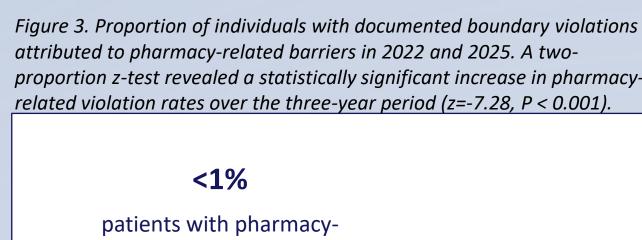
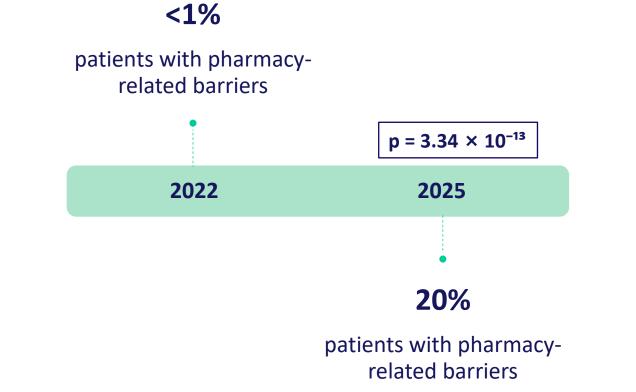


Figure 2. Proportion of individuals with documented boundary violations in 2022 and 2025. A two-proportion z-test revealed a statistically significant increase in boundary violation rates over the three-year period (z = -7.34, p < 0.001).

RESULTS





CONCLUSIONS

- There was a marked increase in overall boundary violations, especially pharmacy-related boundary violations from 2022 to 2025, underscoring growing complexities in cancer pain management during the opioid crisis.
- These trends may reflect heightened prescribing scrutiny, evolving access barriers, and shifts in clinic workflows.
- Ongoing evaluation is critical to disentangle regulatory, staffing, and systemic influences—and to ensure equitable, effective pain care for advanced care of oncology patients.
- Our current efforts in the Supportive Care Clinic include creating the reviewed database to establish a method of oversight for boundary violations.
- Future proposed interventions for this clinic, as well as other clinics alike, include establishing interventions to address each boundary violation noted.

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