



4TH STREET ORTHO CLINIC

***INTEGRATING SPECIALTY CARE IN
UNDERSERVED COMMUNITIES***

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ORTHO IN UNDERSERVED COMMUNITIES

PROBLEM

Prevalence

42%-100% of unhoused individuals reports orthopedic concerns¹⁻³

Increased risk for fracture and MSK Injury⁴⁻⁸

- Assault related trauma
- Hazardous living conditions
- Substance abuse
- Mental health condition
- Poorer healing secondary to increased infection risk



ORTHO CLINIC

STUDENT LED



Monthly Student Led Clinic

1st Thursday

Medical students and ortho residents with attending oversight

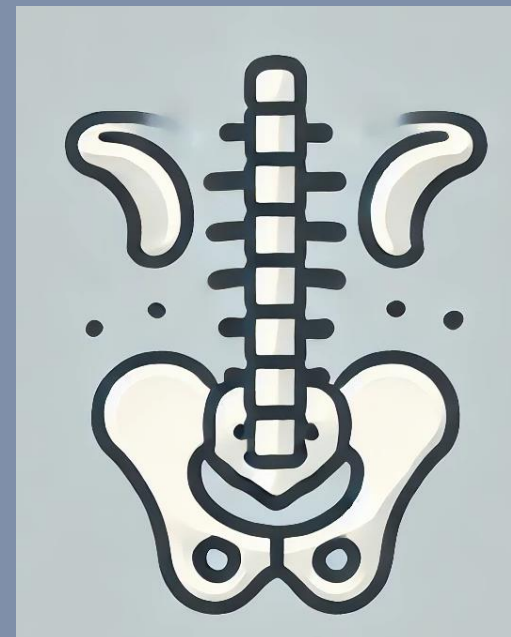


Objectives

- Improve patient mobility
- Reduce pain
- Foster medical education for future providers in community settings



X



WHAT IS THE IMPACT OF THE CLINIC?

CONFIDENTIAL

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HOMELESSNESS HURTS. HEALTH CARE HELPS.



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DEMOGRAPHICS 26 PATIENTS

Housing Status

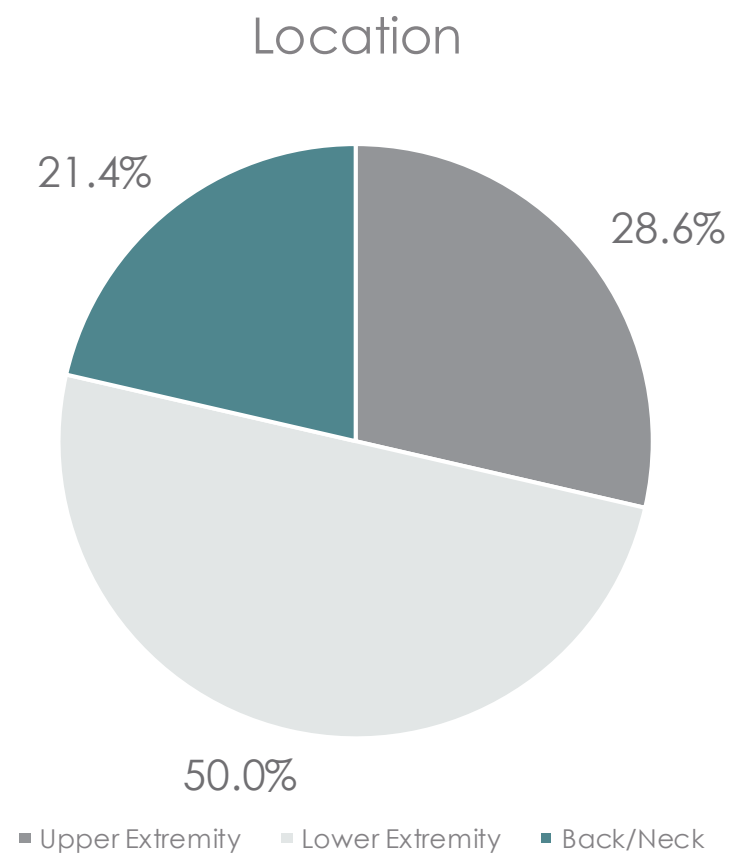
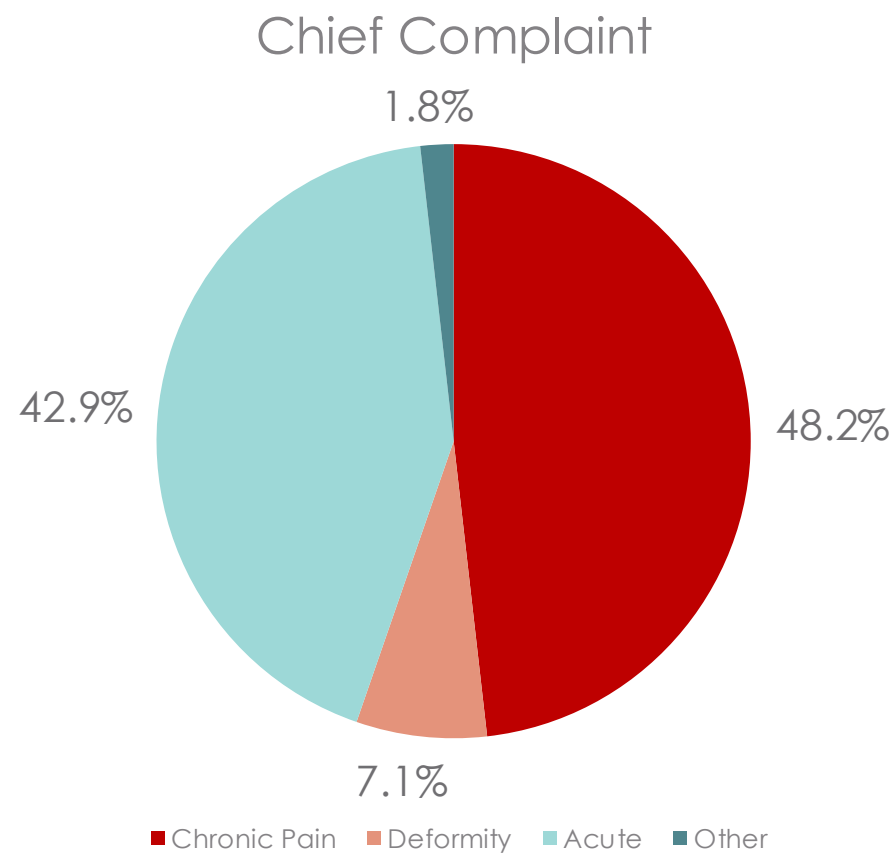
27.5%	Doubling Up
27.5%	Homeless Shelter
17.2%	Unhoused
13.8%	Supportive Housing/Transition housing

Language & Age

38%	English Speaking
62%	Spanish Speaking
24-72	Age Range

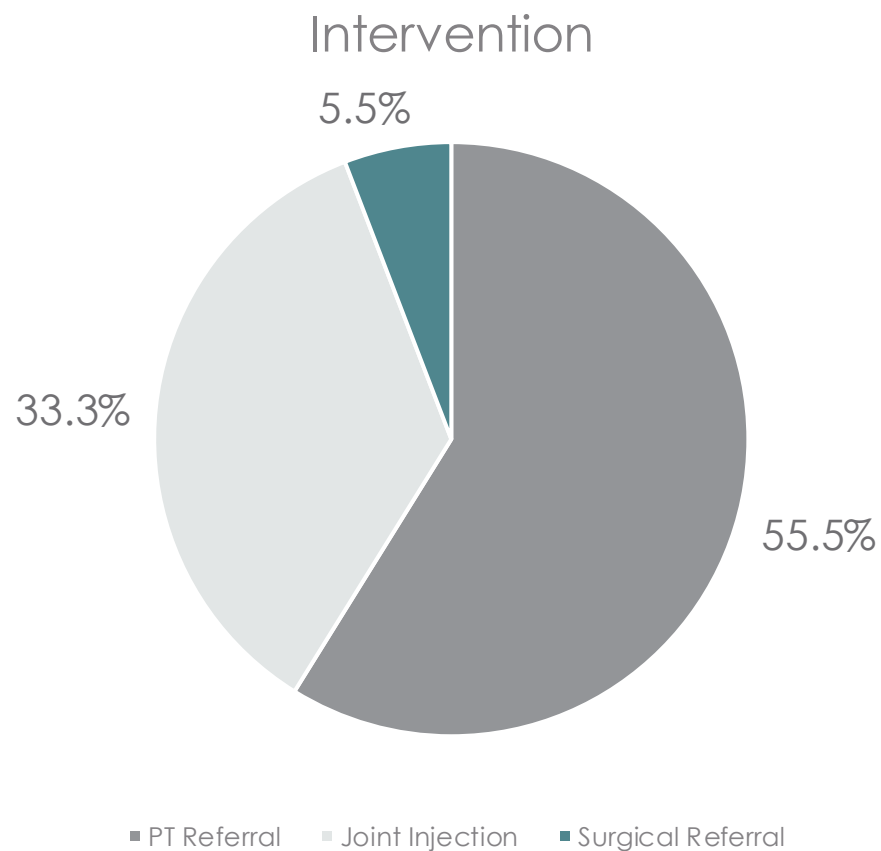
CHIEF COMPLAINT & CHARACTERISTICS

Patient Data



INTERVENTION & OUTCOMES

Chart Review



Outcomes

Approximately 50% of patients had follow up at 4th Street

Of those, 85% did not report a MSK complaint

NEXT STEPS

EXPANDING ACCESS AND FOLLOW UP



Increase Clinic Frequency

Bi-monthly clinic



Increase Awareness

Ensure providers know ortho clinic abilities



Decrease no show rate

Work in progress

Reminders vs decreased wait times



Improve follow up

Tracking system for PT referrals

Phone call follow up by medical students



Assessing Long Term Outcomes

Can be incorporated into phone call follow ups



REFERENCES

1. Kale NN, Marsh J, Kale NK, Miskimin C, Mulcahey MK. Musculoskeletal Injuries and Conditions Among Homeless Patients. *JAAOS Glob Res Rev*. 2021;5(11):e21.00241. doi:10.5435/JAAOSGlobal-D-21-00241
2. Kay HF, Sathiyakumar V, Archer KR, et al. The homeless orthopaedic trauma patient: follow-up, emergency room usage, and complications. *J Orthop Trauma*. 2014;28(6):e128-132. doi:10.1097/BOT.0000000000000000
3. Zuccaro L, Champion C, Bennett S, Ying Y. Understanding the surgical care needs and use of outpatient surgical care services among homeless patients at the Ottawa Hospital. *Can J Surg J Can Chir*. 2018;61(6):424-429. doi:10.1503/cjs.001317
4. Ferenchick GS. The medical problems of homeless clinic patients: a comparative study. *J Gen Intern Med*. 1992;7(3):294-297. doi:10.1007/BF02598086
5. Jetelina KK, Reingle Gonzalez JM, Brown CVR, Foreman ML, Field C. Acute Alcohol Use, History of Homelessness, and Intent of Injury Among a Sample of Adult Emergency Department Patients. *Violence Vict*. 2017;32(4):658-670. doi:10.1891/0886-6708.VV-D-16-00069
6. Kowal-Vern A, Latenser BA. Demographics of the homeless in an urban burn unit. *J Burn Care Res Off Publ Am Burn Assoc*. 2007;28(1):105-110. doi:10.1097/BCR.0B013E31802C88c4
7. Young DM, Harris HW, Charlebois ED, et al. An epidemic of methicillin-resistant Staphylococcus aureus soft tissue infections among medically underserved patients. *Arch Surg Chic Ill 1960*. 2004;139(9):947-951; discussion 951-953. doi:10.1001/archsurg.139.9.947
8. Barshes NR, Mindru C, Ashong C, Rodriguez-Barradas M, Trautner BW. Treatment Failure and Leg Amputation Among Patients With Foot Osteomyelitis. *Int J Low Extrem Wounds*. 2016;15(4):303-312. doi:10.1177/1534734616661058



Thank You



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