

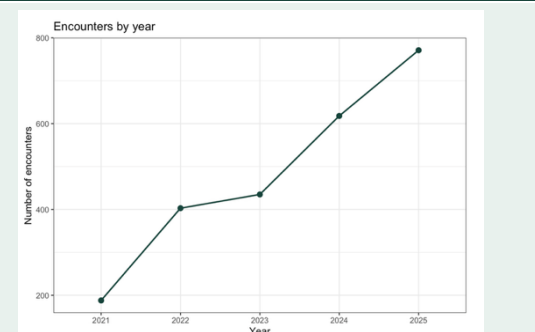
Introduction

- Individuals experiencing homelessness face several barriers to accessing conventional health care and carry a disproportionate burden of acute and chronic disease.
- Student-run street medicine programs provide low-threshold, patient-led medical care directly in shelters and unsheltered street settings.
- Characterizing patient volume, demographics, and clinical needs is essential for effective resource allocation and student volunteer preparation.

Methods

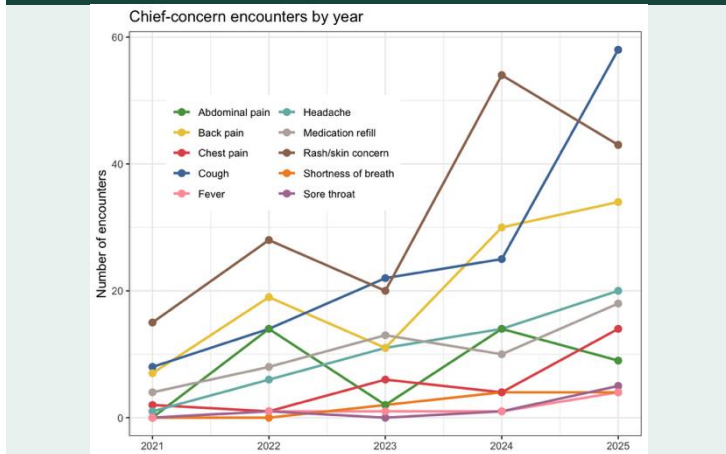
- Study Design:** Retrospective chart review of all patient encounters recorded in the clinic's EMR system between 2021 and 2025.
- Data Selection & Cleaning:** Only name and date of birth are required at registration, leading to many missing variables in demographics such as race and ethnicity. The fields that had high levels of missing data were not included in the analysis.

Results: Encounter Volume Growth



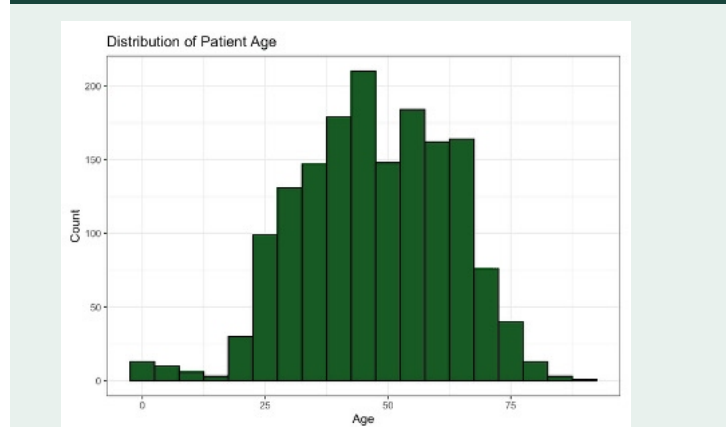
Annual encounter volume increased more than fourfold over the study period, rising from 188 encounters in 2021 to 771 in 2025.

Results: Chief Complaint



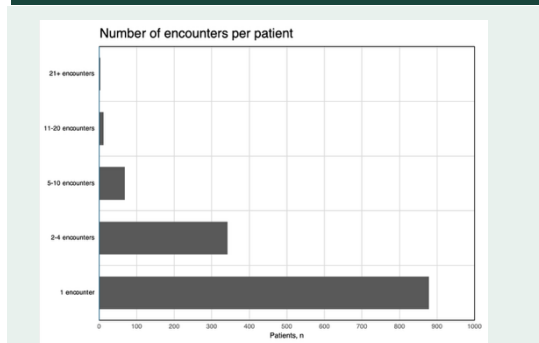
The most common chief-complaint themes were rash/skin concerns (130 patients; 160 encounters), cough (113; 127), back pain (87; 101), medication refills (47; 54), and headache (47; 52).

Results: Patient Age Distribution



Patient age was broadly distributed, with a mean of 47.28 years (SD 15.25; range 0–91).

Results: Healthcare Utilization



Most patients (878; 67.4%) were seen at a single visit, while 425 (32.6%) had repeat encounters (2–4 visits: 342 [26.2%]; 5–10: 68 [5.2%]; 11–20: 12 [0.9%]; ≥21: 3 [0.2%]).

Conclusions

- Expanding community reach:** a > 4-fold increase in encounter volume in 5 years demonstrates rapid expansion and reach within an underserved population.
- Targeted educational priorities:** the predominance of dermatologic/wound concerns, respiratory issues, and musculoskeletal pain identifies concrete priorities for volunteer education.
- Curricular action:** In direct response to these findings, Spartan Street Medicine worked with Sparrow Wound Care Clinic to host a training for student members.
 - 85 students registered for the training
 - Voluntary pre- and post-training surveys to assess knowledge, skills, and attitudes were collected. Data analysis is pending.
- Future directions:** Standardized data collection will continue to enhance volunteer trainings and continuity of care efforts.