Narcan Distribution and Education Initiative for Phoenix’s Homeless Population

Street Medicine Phoenix

Likith Surendra BS, BA1, Katherine Barlow BA1, Maxine Yang BS, MBS1,2, Christopher Poyorena BS3, Marissa McLelland BS4, Jeffery Hanna MPH, MSc2, Justin Zeien MD, MPH5

1The University of Arizona College of Medicine – Phoenix, Phoenix, AZ, USA
2The University of Arizona Mel & Enid Zuckerman College of Public Health, Phoenix, AZ, USA
3Mayo Clinic Alix School of Medicine, Phoenix/Scottsdale, AZ, USA
4Arizona State University College of Health Solutions, Phoenix, AZ, USA
5Walter Reed National Military Medical Center, Bethesda, MD, USA

Introduction

35% Increase in unsheltered individuals in Maricopa County1

In Arizona, there were 10,979 sheltered and unsheltered individuals experiencing homelessness as of January 2020.2 These individuals are more likely to experience poor health and have less access to care, including routine health screenings, psychiatric care, and additional support.3 A lack of access to basic resources like hygiene products and proper nutrition further exacerbates health issues.

Opioid Use in the Homeless Population

There has been an increase in opioid-related deaths in the US.4 The homeless population is disproportionately affected, with overdose accounting for 1 in 4 deaths and overdose death rates up to 30-fold higher than the general population.5 This increase is attributed to the rising prevalence of synthetic opioids like fentanyl, which may be 1000x more potent than morphine, being mixed with other opioids. Synthetic opioid-related deaths surpassed prescription-related deaths in 2016.6

Narcan

Narcan (naloxone) is a full opioid receptor antagonist used to reverse potentially fatal opioid toxicity. It has recently found use in the community to fight the ever-escalating opioid epidemic.7 Many states now allow individuals to obtain Narcan without a prescription and have given third party organizations, like Street Medicine Phoenix, the ability to distribute Narcan, given they provide adequate education.8

Activities & Methods

SMP began distributing Narcan in early 2021. We obtain Narcan primarily through a partnership with the Arizona Department of Health Services in addition to End Overdose, a nonprofit committed to preventing drug-related death through opioid overdose response training and expanding naloxone access. All students distributing Narcan must be instructed in indications and clinical use. Our SMP orientation provides further training about how to initiate the encounter, approach the topic of Narcan use, and provide patient education in the street medicine setting.

Goals

1. To distribute Narcan to people experiencing homelessness in the Phoenix Metropolitan Area
2. To provide education on the proper use of Narcan and to empower individuals to take action and save lives
3. To emphasize the importance of Narcan and opioid-related deaths as a significant public health issue in this population

Services

- Education on the proper use of Narcan
- Overdose response training and expanding naloxone access

Outcomes

The University of Arizona Mel & Enid Zuckerman College of Public Health, Phoenix, AZ, USA

Discussion

Through this initiative, SMP is bringing awareness to opioid-related deaths in the homeless population as a public health issue and educating individuals about the utility of Narcan. Individuals we serve have told us they used Narcan from SMP to save a life, and we have utilized Narcan ourselves to treat patients. We have also learned the importance of training volunteers to use proper language and establish rapport to avoid patient hesitancy. The variability in the number of Narcan distributed each month can be attributed to a different number of outreach events and focus on other initiatives.

Conclusion & Future Plans

We demonstrate that Narcan is needed and used by individuals experiencing homelessness in Phoenix. The life-saving impact of this intervention is evident in this initiative. We recognize that Narcan education and distribution is an essential component of our outreach and aim to expand our efforts across the metro Phoenix area. Moving forward, we plan to implement a study to assess Narcan awareness and knowledge before and after our engagement with individuals. This will allow us to better understand the impact of our efforts and identify areas for improvement.

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References

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Contact Information

Email: info@streetmedphx.org
Website: https://streetmedphx.wixsite.com/uarizona
Instagram/Twitter/Facebook: @StreetMedPHX