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RESEARCH ARTICLE

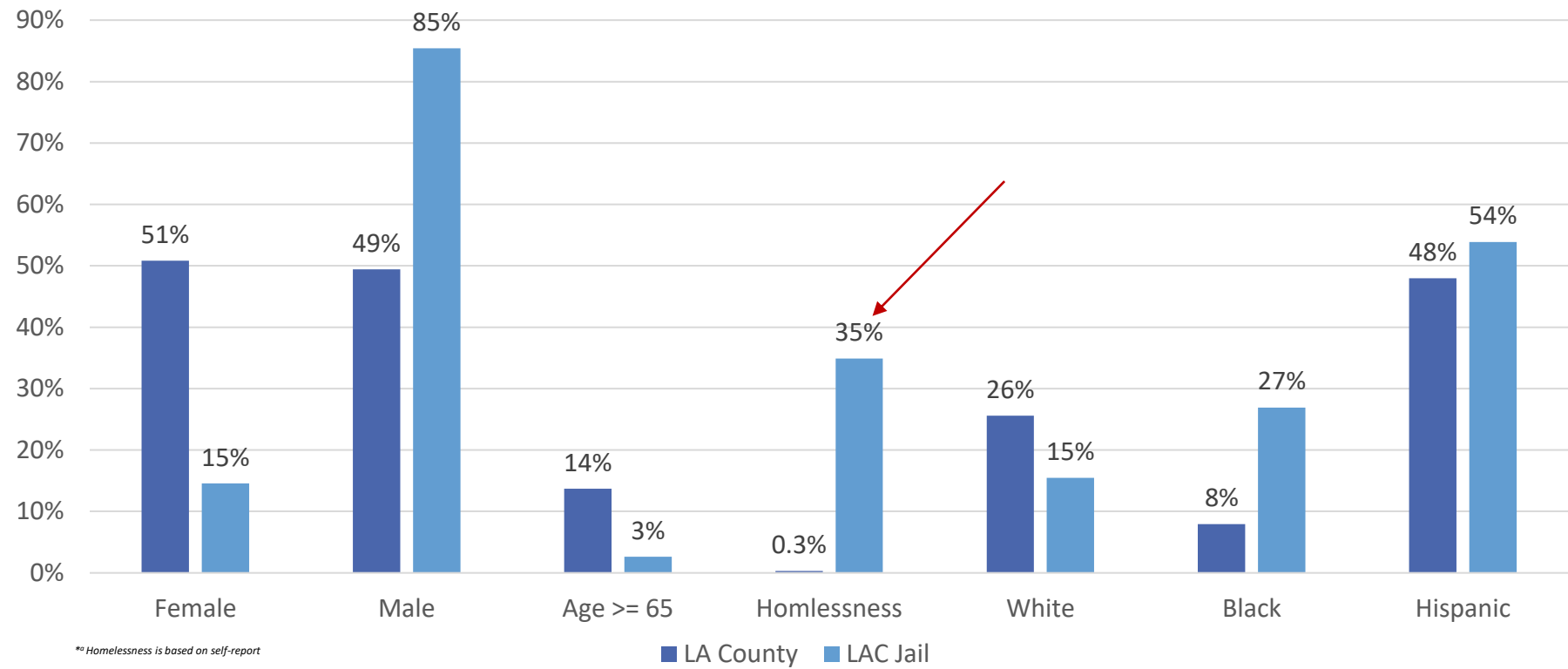
A Missing Piece of Diabetes Management: A Correctional Health Perspective

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Abstract

A cross-sectional study was conducted in January 2020 to evaluate type 1 diabetes (T1D) management during and between incarcerations at the Los Angeles County Jail. Inclusion criteria were men with a T1D diagnosis who had been incarcerated twice within 5 years with at least two hemoglobin A1c values during each incarceration and a minimum of 3 months in the community between incarcerations. The primary outcome was the percentage change in A1c after release compared with the A1c during incarcerations. Five patients met inclusion criteria. During the first and second incarcerations, mean A1c was reduced by 13% and 9.6%, respectively. While in the community, mean A1c increased by 14%. These results highlight the importance of comprehensive reentry programs for patients with T1D, including linkage to community resources for diabetes management, so health gains made during incarceration are not lost.

Keywords: type 1 diabetes mellitus, correctional health, incarceration, A1c



*** Homelessness is based on self-report*

Data was obtained from U.S Census Bureau (2020), Los Angeles Almanac, and Los Angeles Homeless Services Authority (2020).

<https://www.census.gov/quickfacts/fact/table/losangelescountycalifornia,CA/PST045221>

<https://www.laalmanac.com/population/po726.php>

<http://www.laalmanac.com/population/po09.php>

<https://www.lahsa.org/documents?id=4698-2020-homeless-count-la-county-data-summary>

**** Data was obtained from LAC jail system based on 59,637 unique bookings in 2020 (WHO declared COVID-19 pandemic in March 11, 2020)**

Demographic Characteristics of Los Angeles County and Los Angeles County Jail in 2020

Clinic Type	Number of visits from 11/1/2022 – 5/1/2023
Detox	4021 (85% male)
MAT	<ul style="list-style-type: none"> • 856 Sublocade • 361 Suboxone
Pre-natal	1005
Dental	4841
Immunization	<ul style="list-style-type: none"> • 3869 for COVID-19 • 2907 for influenza • 506 for monkeypox
Urgent Care	16,045
Primary Care	27,373
Psychiatry	36,371
Positive Care	3581
Dialysis	15
COVID-19 vulnerable patients (MVP)	5754
MRI/CT/US	1956

Type of Contact	Number of visits from 11/01/2022 – 04/30/2023
Clinical follow-up	36,800
IRC Evaluation	14,623
Release Evaluation	5,502
Crisis Response	3,997
Group Provider	3,790
Release Planner	6,827
Total Contacts	71,539