HIV outcomes after release from state corrections: Examining two pre-release interventions



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Background

- LA -> 2nd highest proportion of people living with HIV (PLWH) in state prison custody¹
- Linkage to care and case management programs → better HIV care outcomes post-release²⁻⁵
- Two programs in LA: Ryan White in-reach program (run by LA Office of Public Health), Medicaid Pre-release program^{6,7}
- Previous evaluations did not assess long-term HIV care outcomes, showed some overlap in activities^{7,8}

Aims

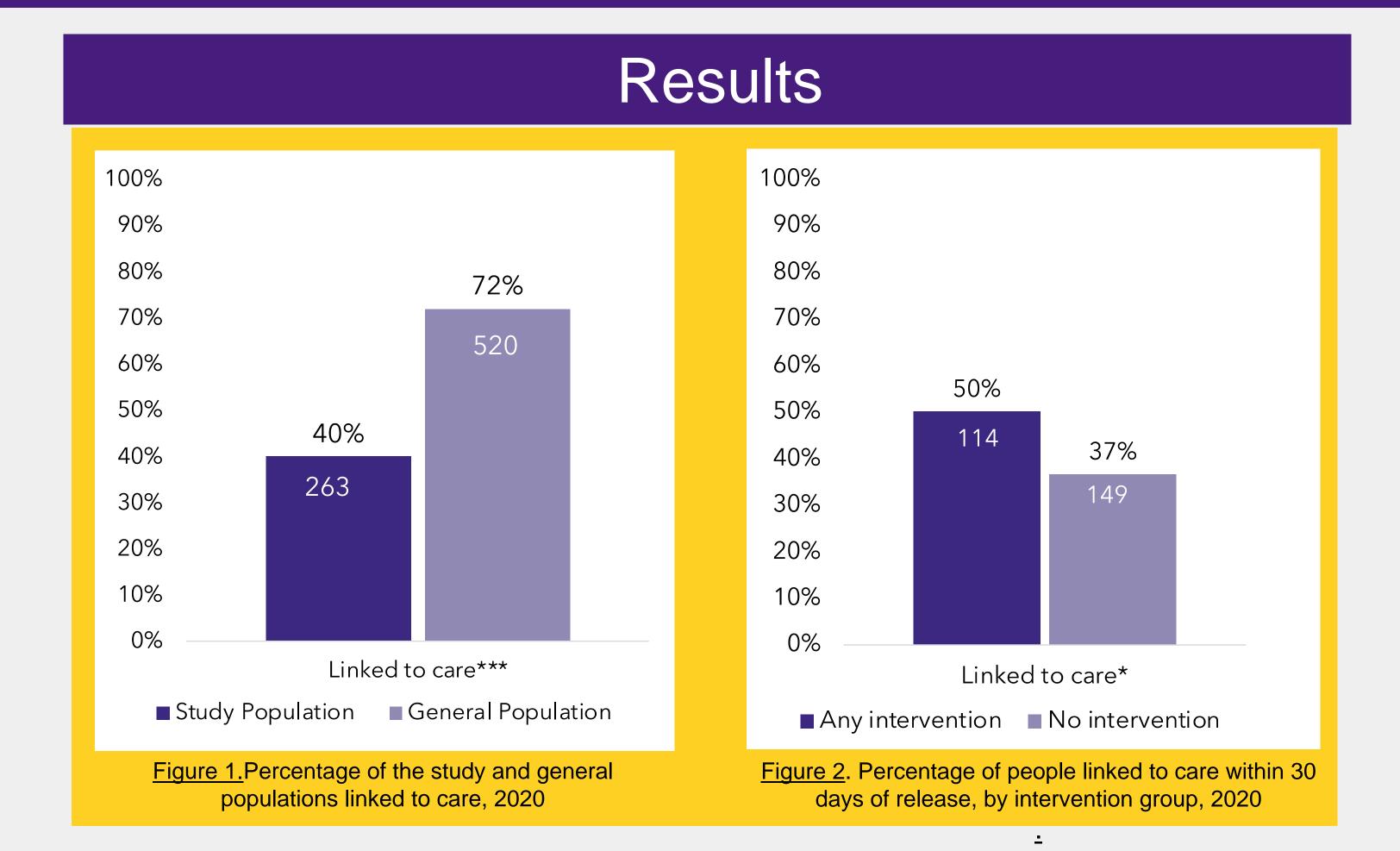
- Describe and compare HIV outcomes of PLWH
- released from Louisiana corrections custody (study population) to all Louisiana PLWH along the HIV care continuum (general population)
- In study population who received any vs. no intervention
- Assess impact of exposure to pre-release interventions on HIV outcomes within 12 months after release from LA state prison custody

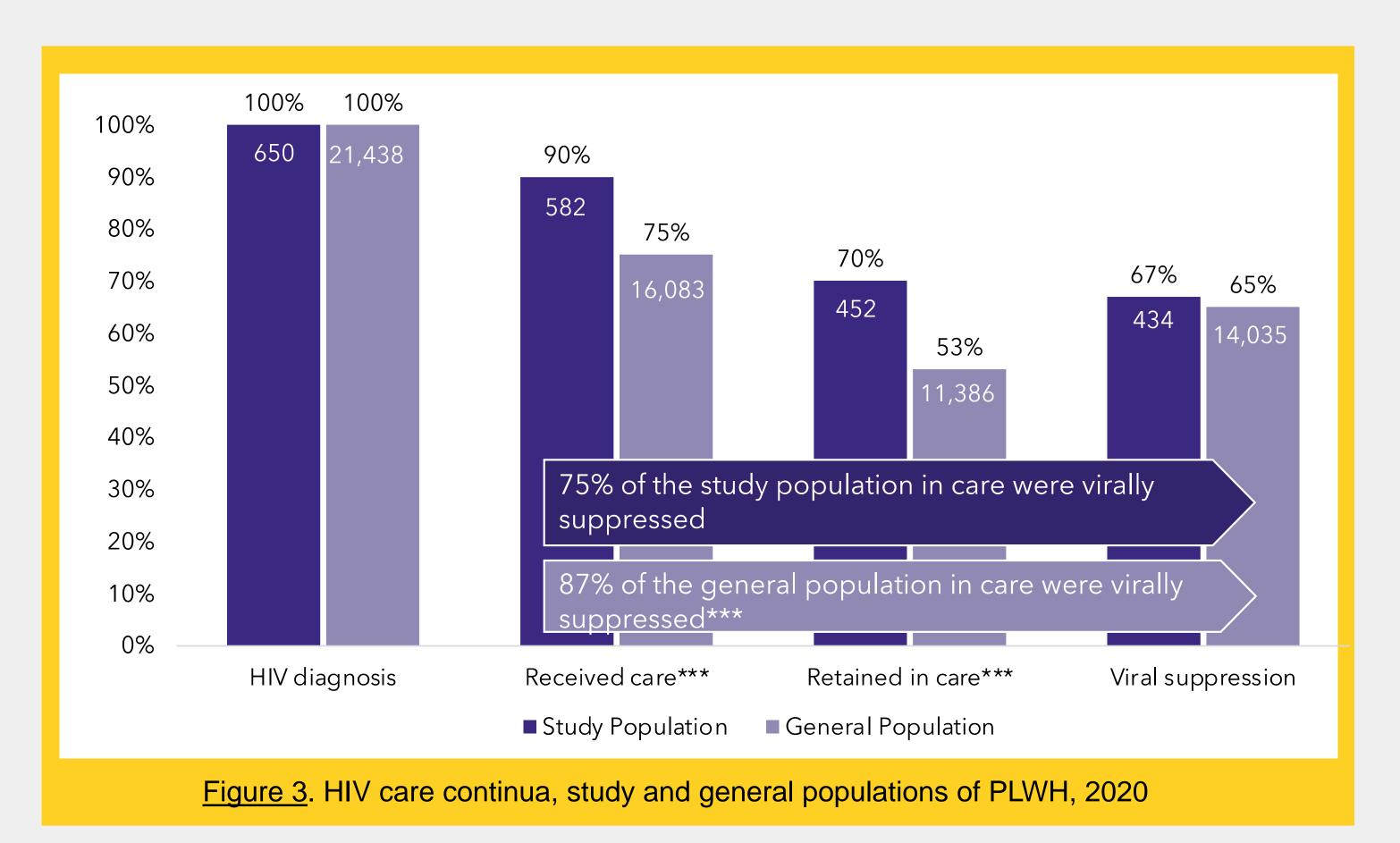
Methods

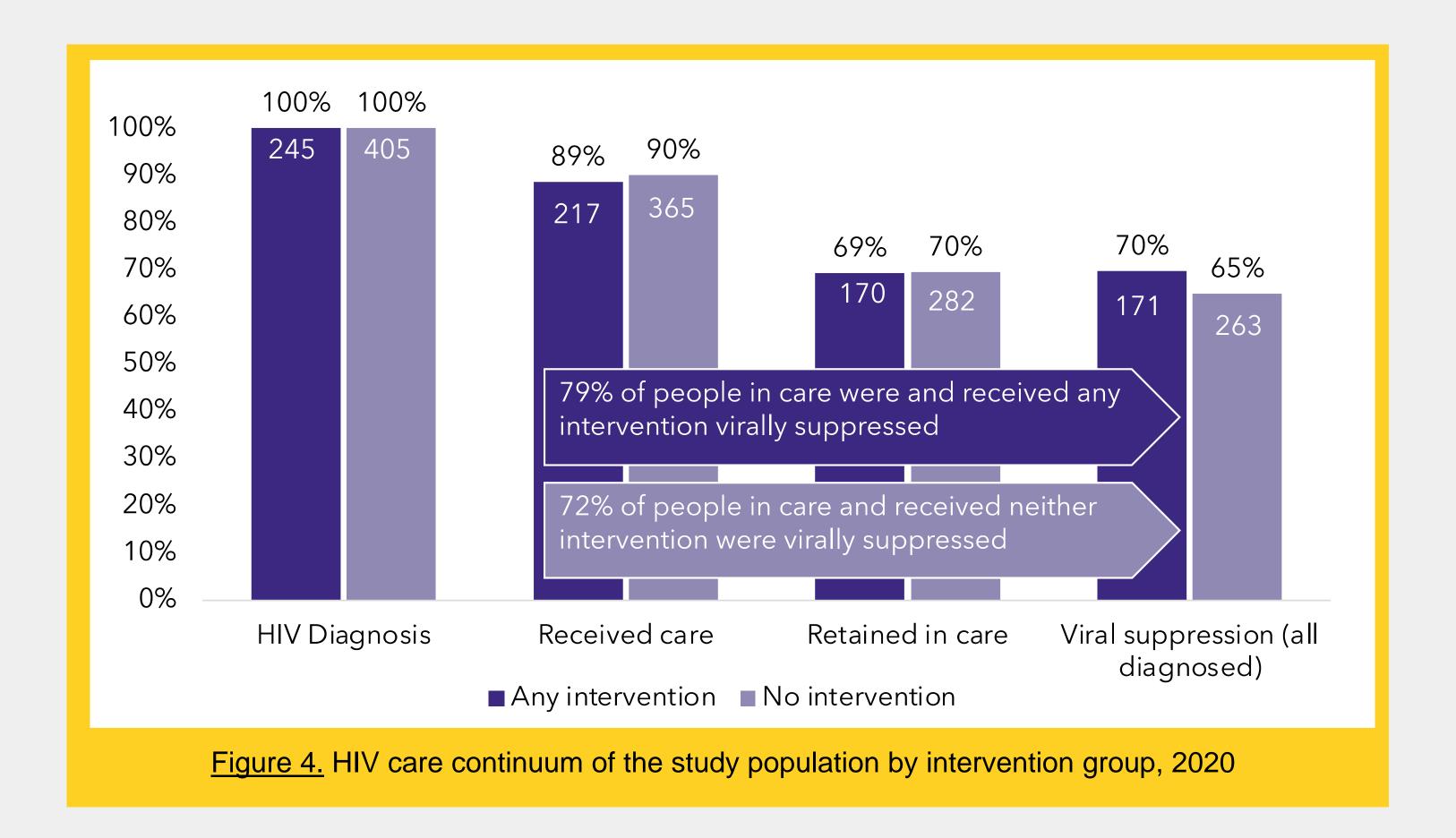
- Conceptual frameworks: HIV care continuum⁹ & Health Belief Model¹⁰
- Design: Retrospective cohort, total purposive sampling
- Study Population:
 - Inclusion: 18 + at release, released from LA state prison custody between 1/1/2017 – 12/31/2019, confirmed HIV diagnosis (lifetime)
 - Exclusion: Died within 12 months after release, released out of state
- Analysis: Two-proportion z-test (Aim 1), logistic regression (Aim 2)
 - Outcomes: linkage to care, care receipt, care retention, *viral suppression, 1/17/2018-12/31/2020
 - Covariates: *intervention group, age at release, race, sex, return parish urbanicity, Medicaid enrollment

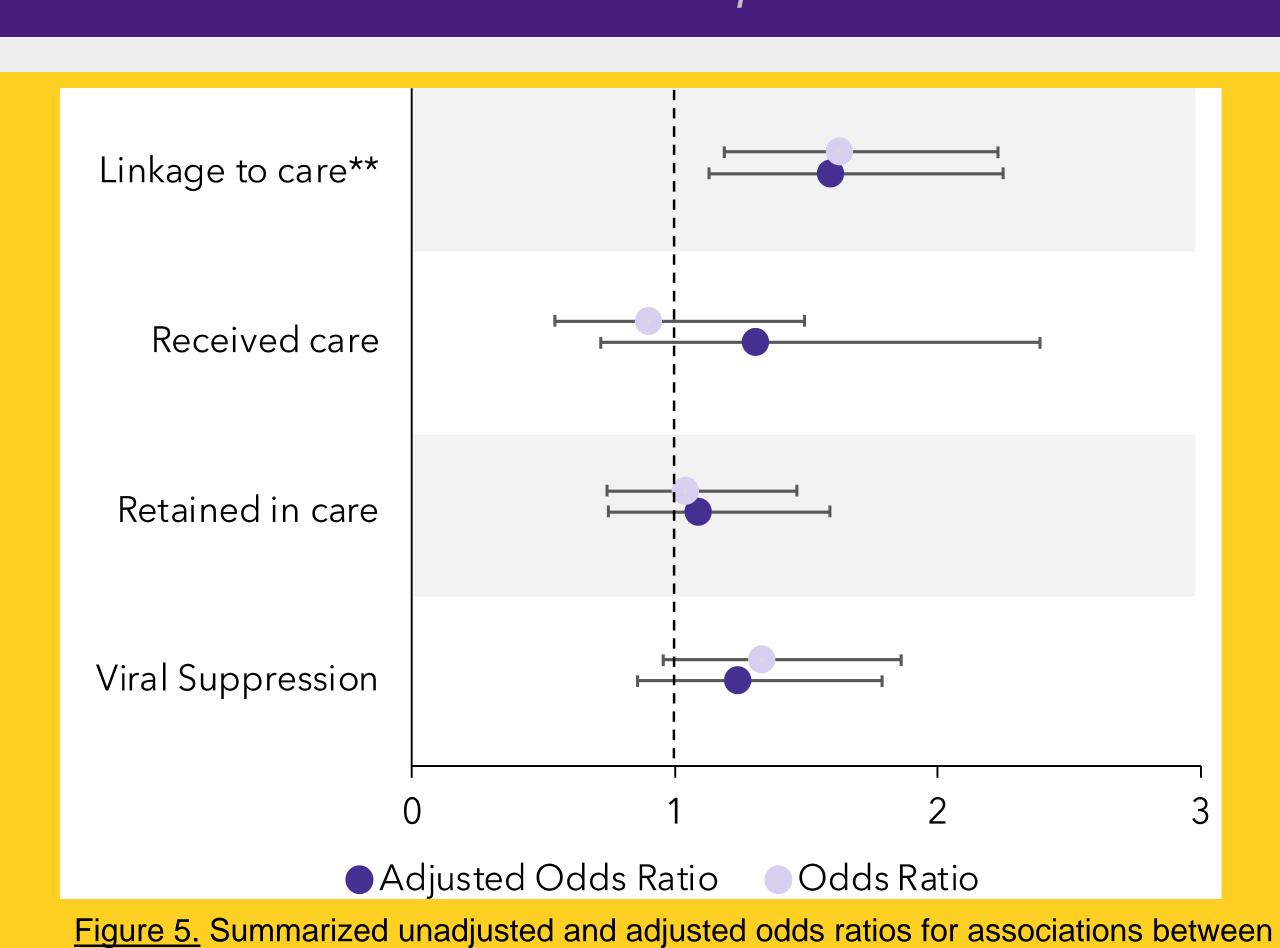
Results

- n=681, Aim 1 subcohort n=650, had Medicaid (91%) Majority:
- Age 30-39 at release (34%)
- Male (82%)
- Black (77%)
- Released in 2019 (36%)
- Not released from prison facility (57%)
- Did not receive intervention
- Released to urban parish (90%)









Conclusions

intervention groups and HIV care continuum outcomes.

- <u>Linkage to care</u> → most disparate proportion between study and general populations, the only HIV care outcome significantly and positively influenced by receiving any pre-release intervention
- Receiving any intervention was not significantly associated with longer-term HIV care outcomes (care receipt, retention, viral suppression).
- Programs are effective at linkage to care 30 days post-release, no sustained effect on longer-term outcomes

Recommendations

- Expand program sites to include non-state prison facilities that house PLWH in state custody;
 - a) reassess Department of Corrections policies about prerelease services to PLWH in non-state prison facilities
- Increase existing pre-release linkage to care efforts -> eliminate linkage disparities

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References and Acknowledgements

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