

Chlamydia and gonorrhoea testing and positivity among women on opioid agonist therapy

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Australian Sexual and Reproductive Health Conference

Adelaide, September 2025



Burnet
reach for the many



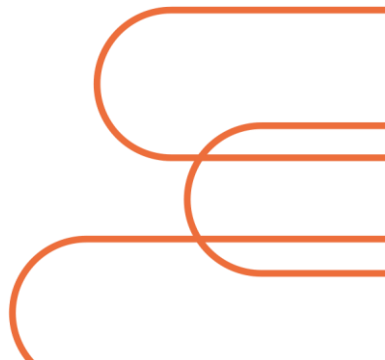
At Burnet Institute, we proudly acknowledge the Boon Wurrung people of the Kulin Nations as the Traditional Custodians of the land on which our office is located. We pay our respect to Elders past and present, and extend that respect to all First Nations people.





Disclosures

I have no conflicts of interest to disclose.

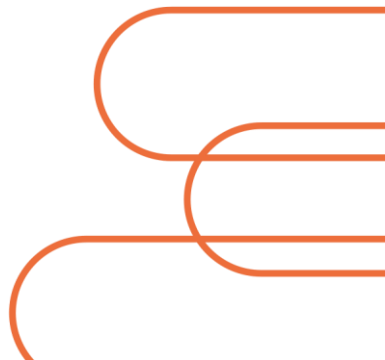




Background

- Women who use drugs have complex sexual risk profiles
- Limited understanding of rates of STIs among women who use drugs
- Some data indicate higher risk of STIs among women with injecting drug use¹
- Current STI management guidelines do not consider people who use drugs

1. Brookmeyer KA, Haderxhanaj LT, Hogben M, Leichter J. Sexual risk behaviors and STDs among persons who inject drugs: A national study. *Prev Med.* 2019 Sep 1;126:105779.

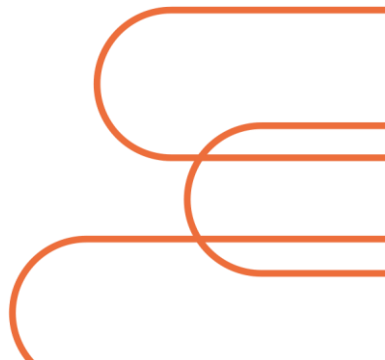




Background

- Drug use is often unreliably recorded
- Opioid agonist therapy (OAT) prescription can be used as a proxy for injecting drug use in surveillance datasets

Aim: Describe chlamydia and gonorrhoea testing and positivity among women on opioid agonist therapy



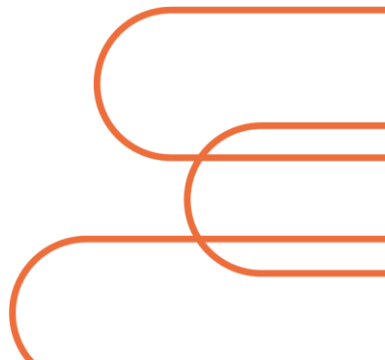


Data source



Australian Collaboration for Coordinated Enhanced Sentinel Surveillance of Blood-borne Viruses and Sexually Transmitted Infections

Data from 69 primary care and sexual health clinics across all jurisdictions





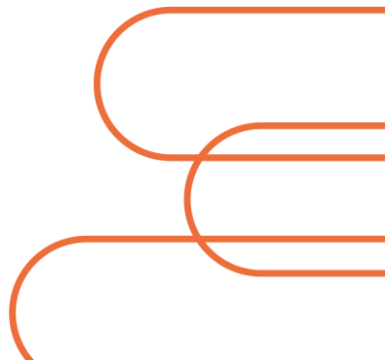
Methods

Study population: Females with at least one prescription for OAT

Aged 15-55 years

Study period: 2012-2024

Data: Chlamydia and gonorrhoea pathology test results





Results



6,581

women aged 15-55
years had an OAT
prescription



33%



36.6 years

Mean age at first OAT
prescription



78%

≥ 30 years of age



9%

Aboriginal and/or Torres
Strait Islander

Test uptake

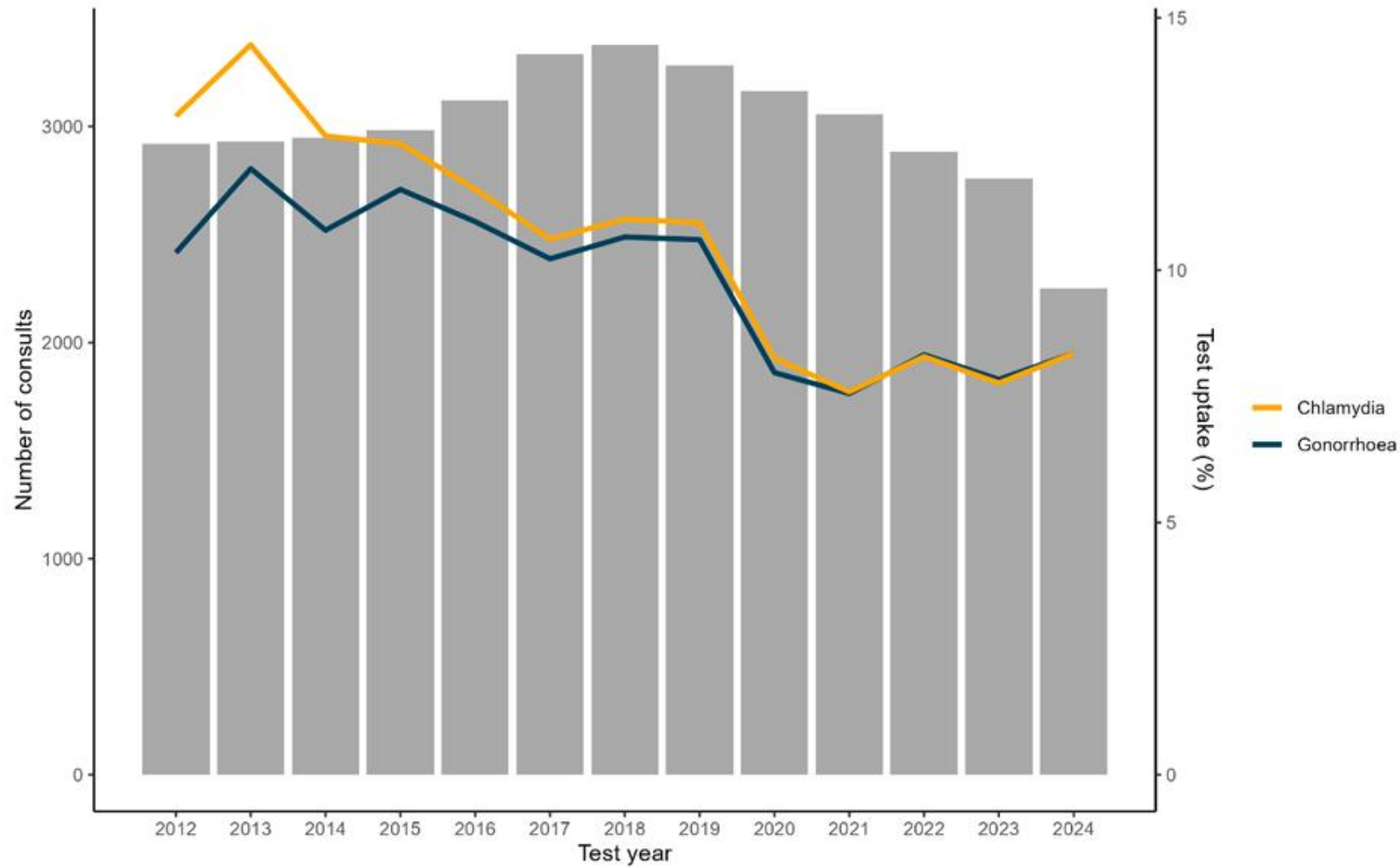


Figure 1. Chlamydia and gonorrhoea test uptake by year, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, n=6,581

Chlamydia and gonorrhoea testing by age group

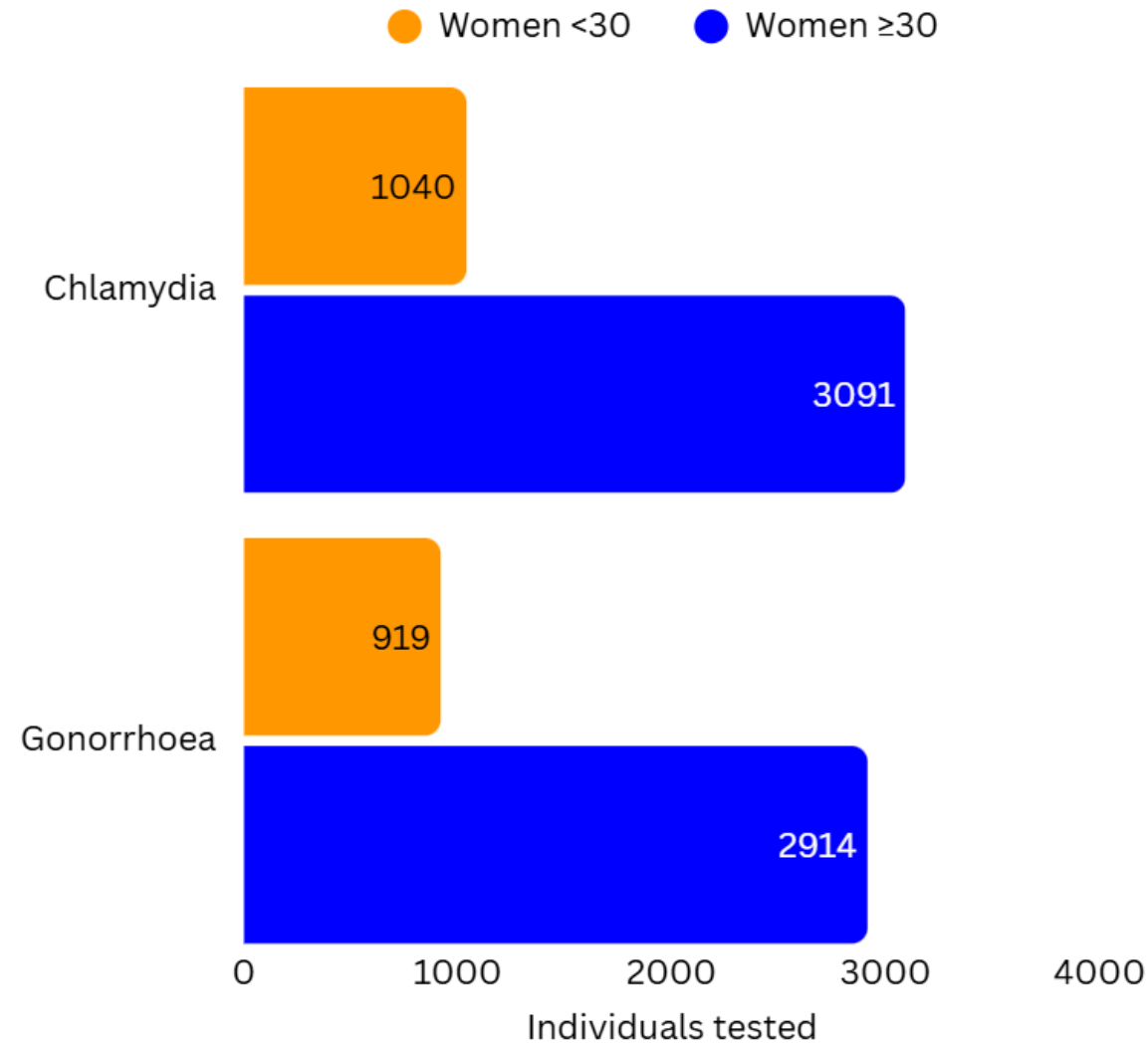


Figure 2. Chlamydia and gonorrhoea testing by age group, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia.

Testing by site type

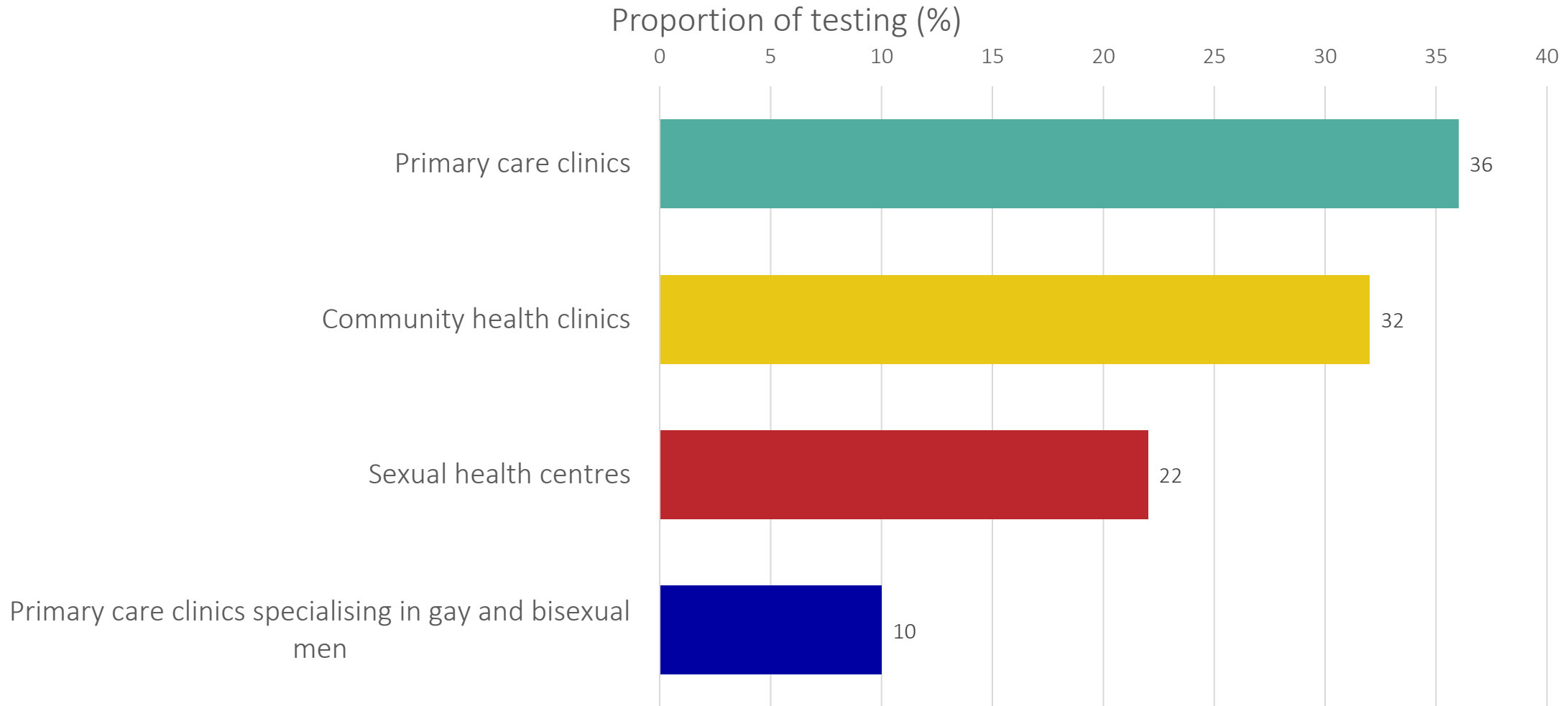


Figure 3. Chlamydia and gonorrhoea testing by site type, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia.

Testing and positivity



Chlamydia

2,134

women tested for
chlamydia

4,132

chlamydia tests
observed

148

women had a positive
chlamydia test

Gonorrhoea

2,008

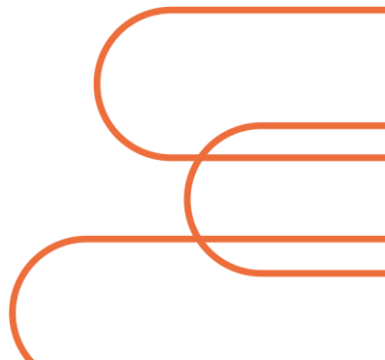
women tested for
gonorrhoea

3,833

gonorrhoea tests
observed

94

women had a positive
gonorrhoea test



Test positivity by year: chlamydia

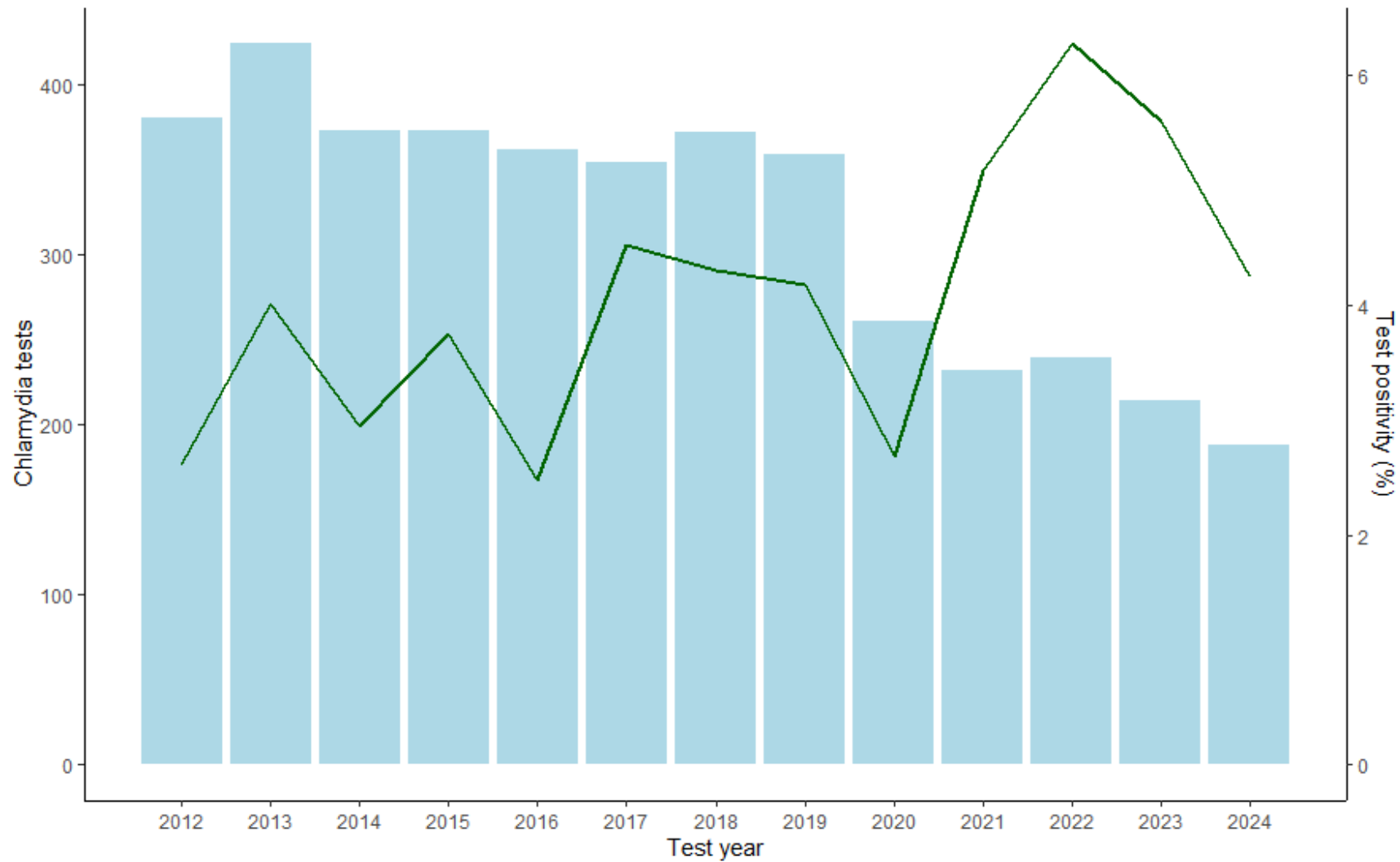


Figure 4. Tests observed and test positivity for chlamydia, by year, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, 2012–2024 (n=2,134).

Test positivity by year: gonorrhoea

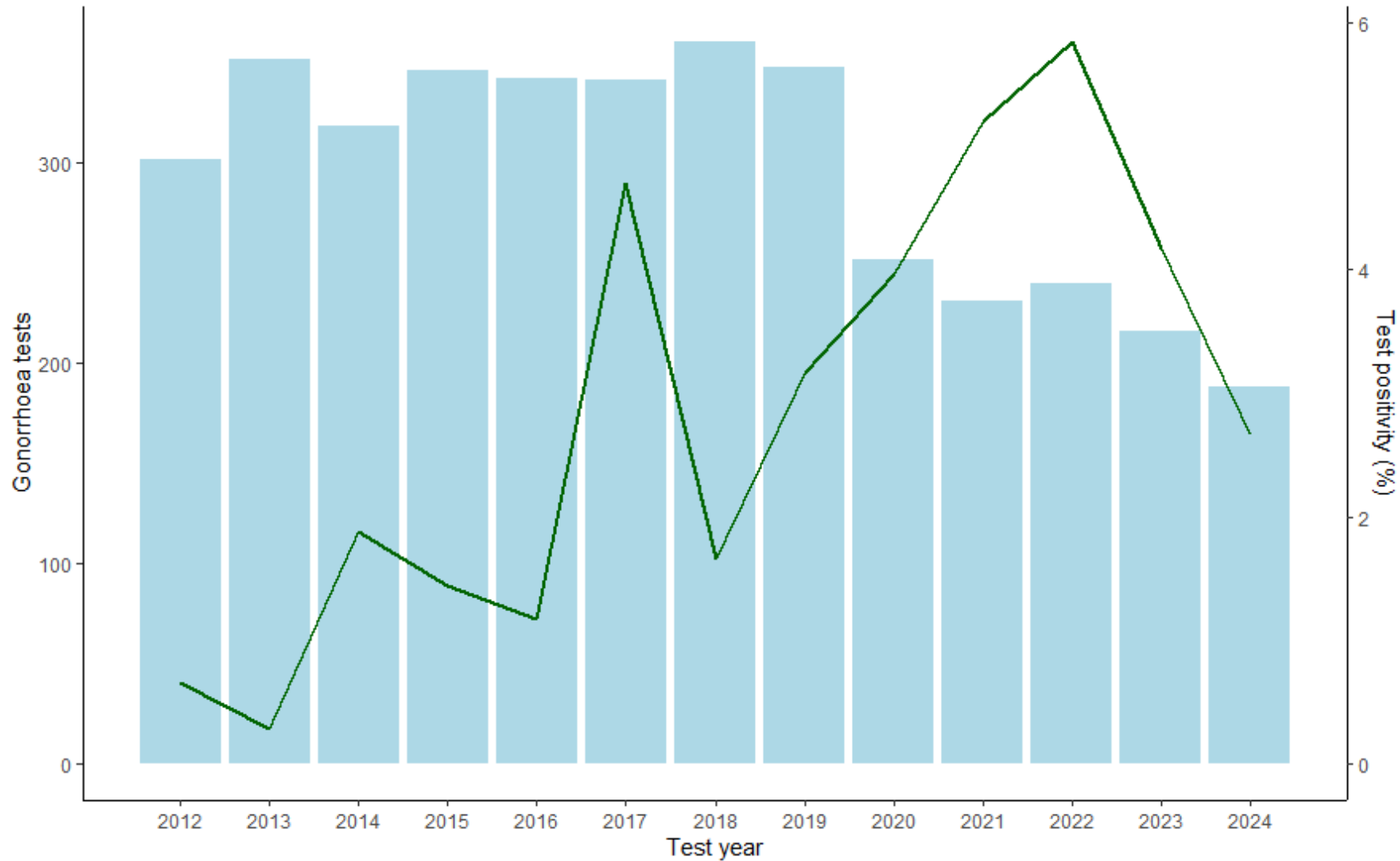


Figure 5. Tests observed and test positivity for gonorrhoea, by year, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, 2012–2024 (n=2,008).

Test positivity by age-group

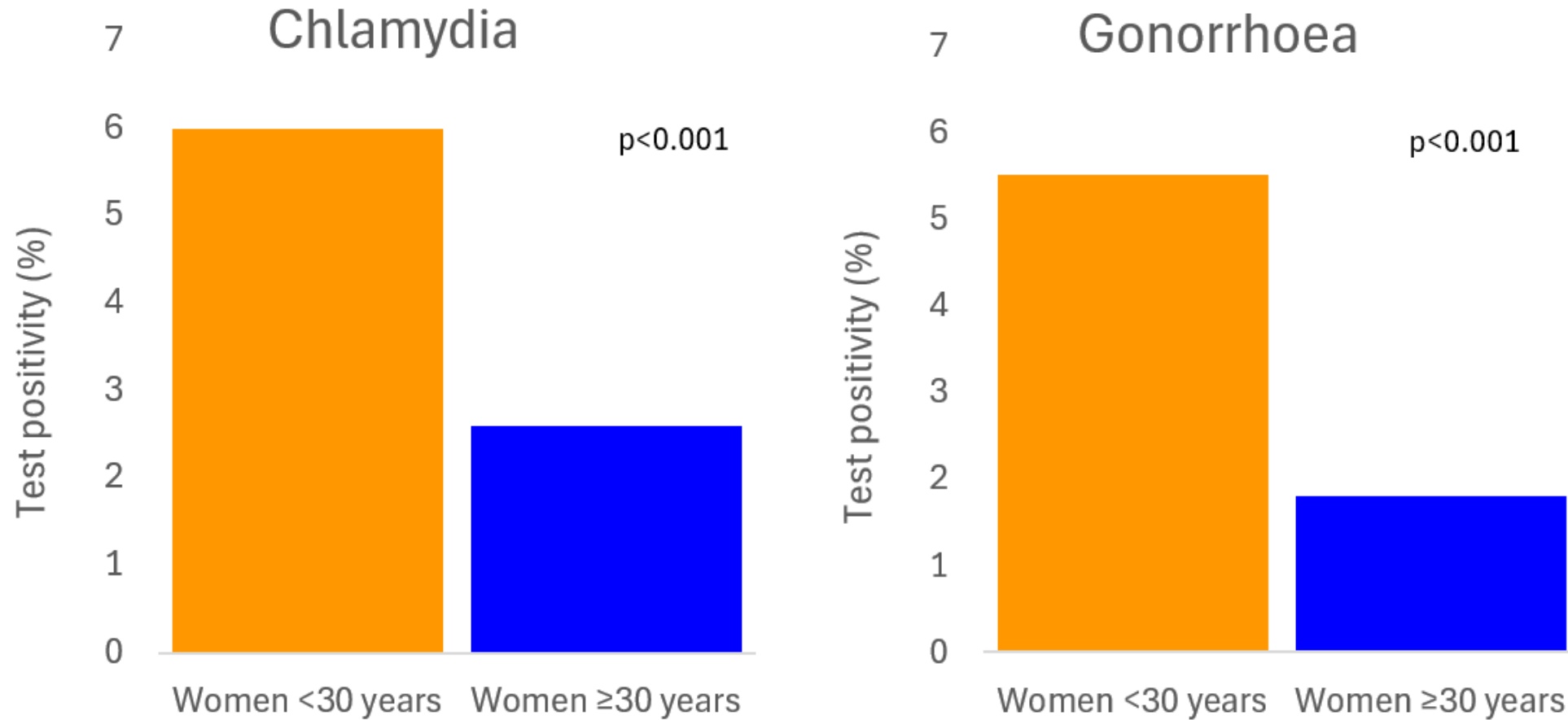


Figure 6a and b. Test positivity for chlamydia and gonorrhoea, by age-group, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, 2012–2024.

Test positivity by site type

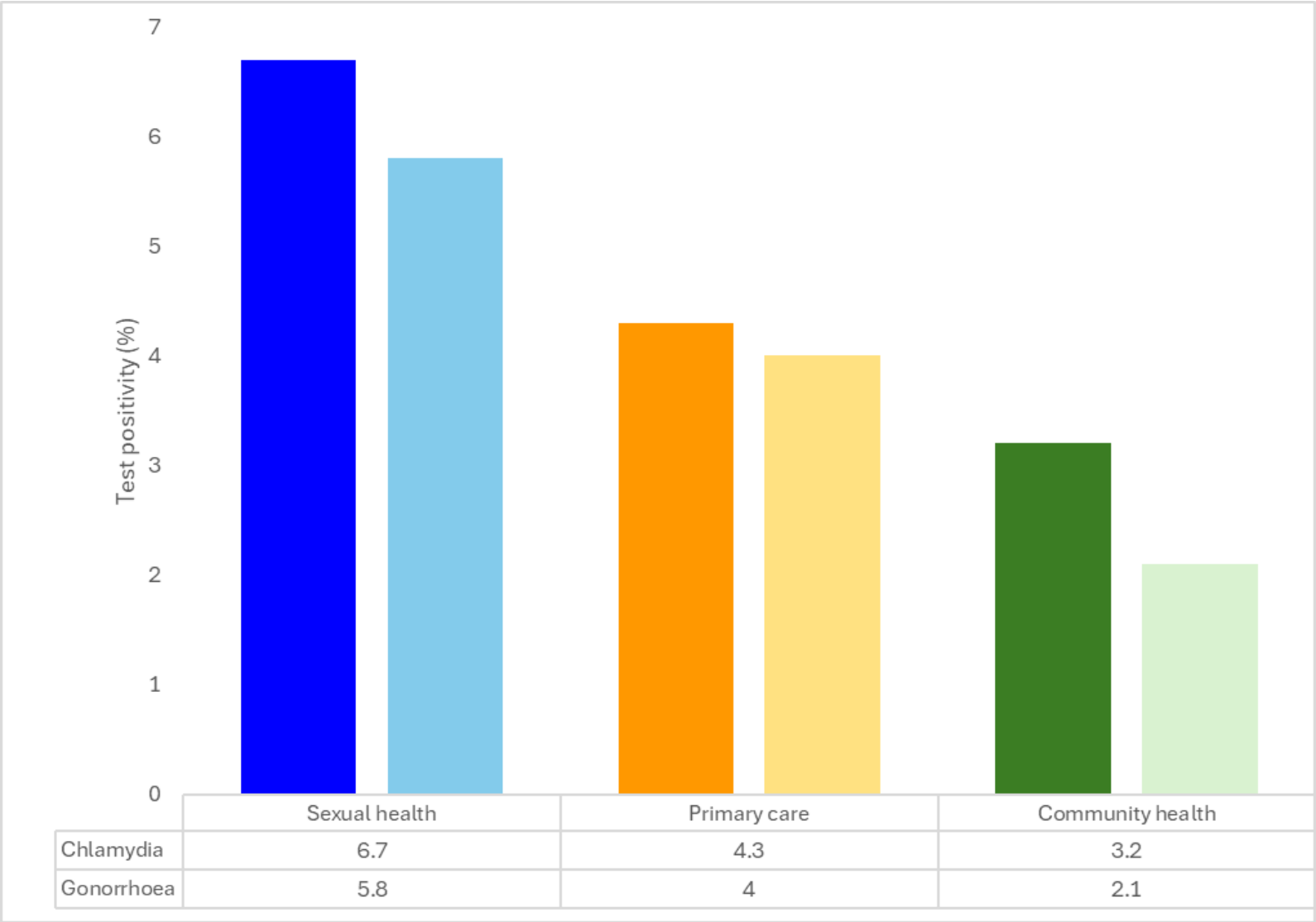


Figure 7. Test positivity for chlamydia and gonorrhoea, by site type, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, 2012–2024.



Re-testing and re-infection: chlamydia

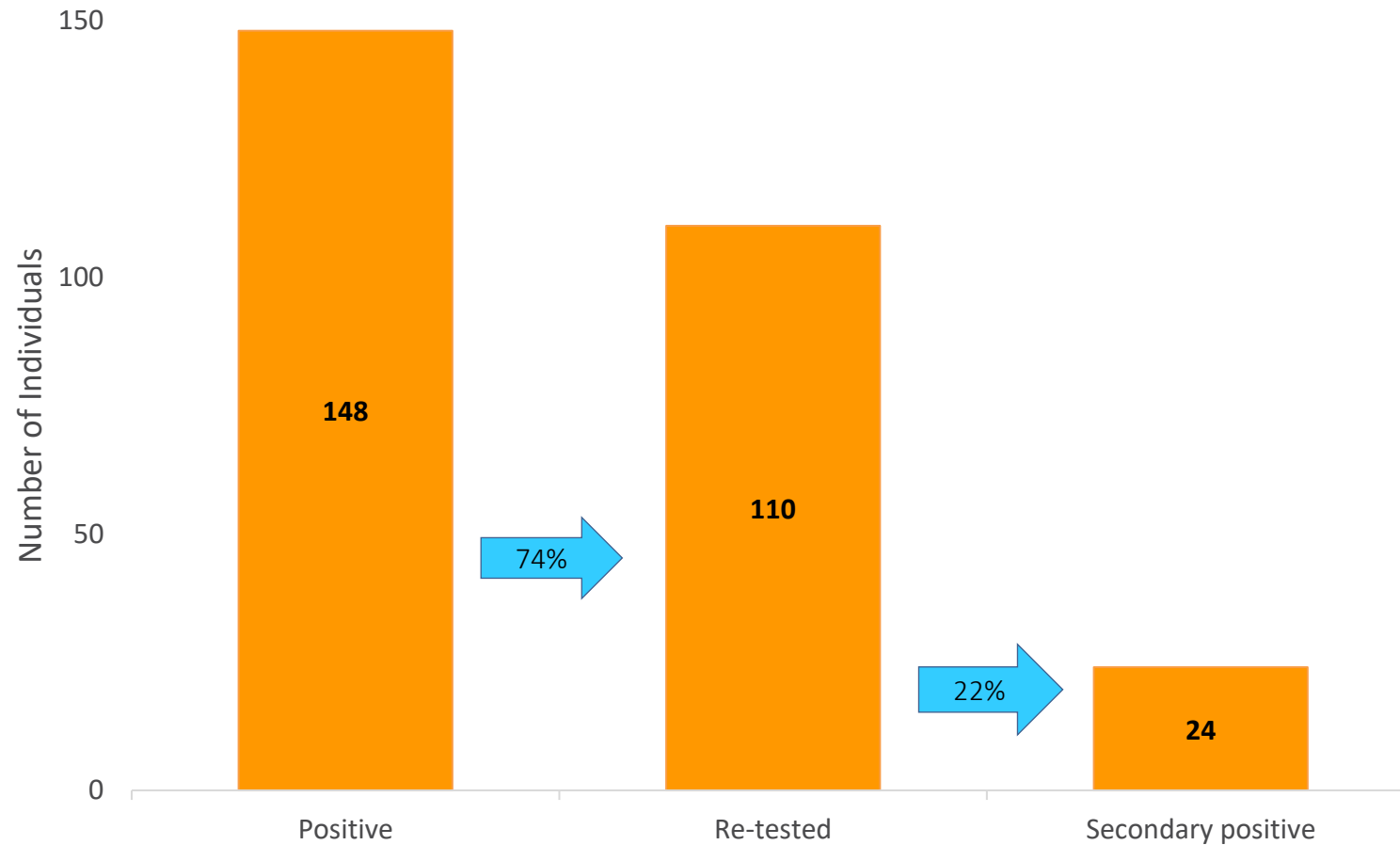


Figure 8. Chlamydia re-testing and reinfection for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, 2012–2024 (n=148).



Re-testing and re-infection: gonorrhoea

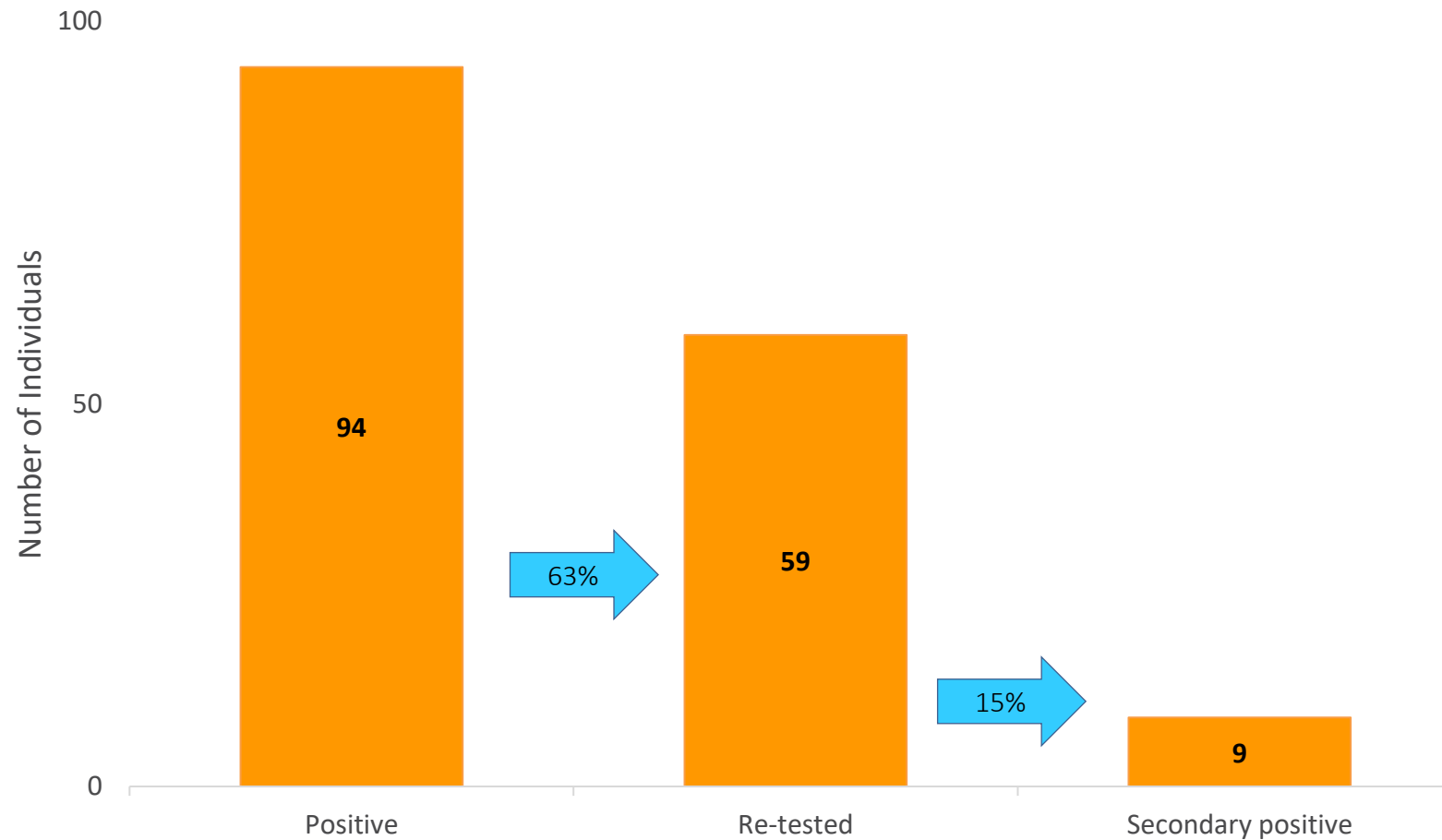


Figure 9. Gonorrhoea re-testing and reinfection for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, 2012–2024 (n=94).



Implications



Test positivity
among women
on OAT
increasing over
time



Despite this,
only 33% of
women on OAT
were tested for
chlamydia or
gonorrhoea in
the study
period



Higher risk of
infection
among
younger
women



Despite
clinical
guidelines,
only 2/3 of
those with
gonorrhoea
infection were
re-tested



Secondary
infections
suggest
either sub-
optimal
treatment or
re-infection



Limitations

- Care outside of ACCESS network is not captured
- OAT prescription is only a proxy for injecting drug use
- OAT prescription does not necessarily indicate ongoing drug use or ongoing risk
- Chlamydia and gonorrhoea testing among women aged 15-55 may be part of prenatal screening



Acknowledgments

- Co-authors: Jason Asselin, Michael Traeger, Rebecca Winter, Nyssa Watson, Brendan Quinn, Vincent Cornelisse, Nathan Ryder, Eugene Athan, Jenny McCloskey, Dan Baker, Louise Owen, Eric Chow, Rebecca Guy, Mark Stoové, Margaret Hellard, Anna Wilkinson
- ACCESS team: Margaret Hellard, Mark Stoové, Jason Asselin, Michael Traeger, Victoria Polkinghorne, Nyssa Watson, Thi Nguyen, Long Nguyen (Burnet Institute); Rebecca Guy, Basil Donovan, Allison Carter, and Htein Linn Aung (Kirby Institute); Wayne Dimech (NRL Quality)



Thank you

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Test positivity by year

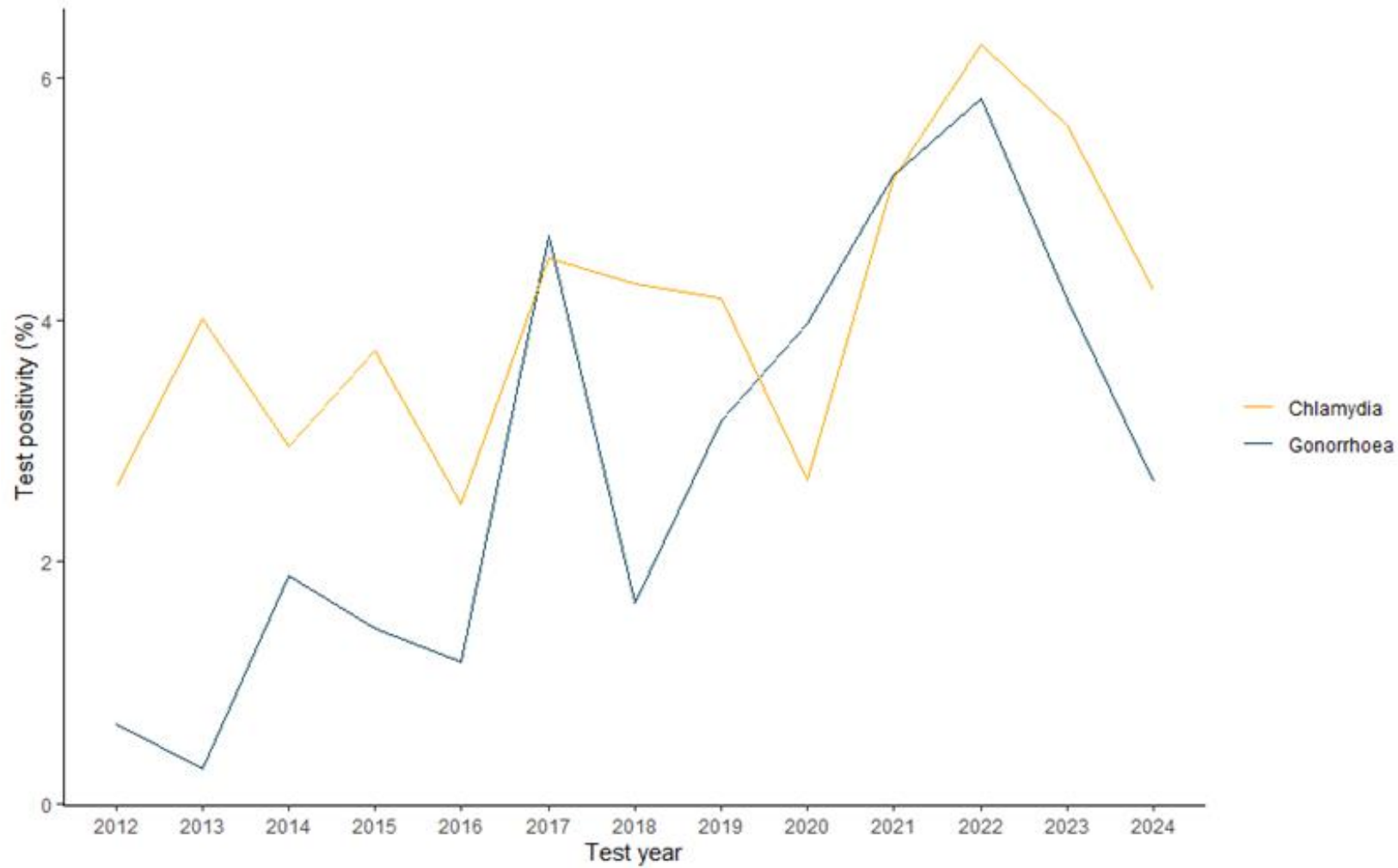


Figure 10. Test positivity for chlamydia and gonorrhoea, by year, for women aged 15–55 with evidence of prescription for OAT, ACCESS, Australia, 2012–2024 (n=2,159).

