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BACKGROUND

HIV in Australian primary care

- In Australia, many gay, bisexual and other men who have sex with men (GBM) receive HIV and STI testing through their general practitioner
- As such, many GBM are diagnosed for HIV in general practice
- HIV care for GBM is also predominantly managed in primary care

'Delayed' HIV diagnosis

- A delayed HIV diagnosis is typically defined as less than 350 CD4 cells/mm³ of blood at the time of diagnosis [1]
- Delayed HIV diagnoses are associated with comorbidities and poor prognosis

Delayed diagnosis in primary care

- Although general practice is a significant context for the diagnosis and management of HIV among GBM, very little is known about the rate of delayed diagnoses in primary care

RESEARCH QUESTIONS

- 1) What is the rate of delayed HIV diagnosis among men attending GBM-focused primary care clinics?
- 2) Do the demographic or clinical factors of men with delayed HIV diagnoses in primary care differ to those with early diagnoses?

METHODS

1) Data collection

- De-identified patient data were extracted from four Australian general practice clinics that predominantly serve GBM. Clinics were identified through their involvement with a clinical intervention known as 'The eTEST Project'
- eTEST included a surveillance system, which routinely extracted de-identified patient consult and pathology data
- Retrospective data from 1 January 2011 to 31 December 2013 were used for our analysis

2) Defining diagnosis

- Men's HIV diagnosis was categorised as 'early' or 'delayed'
 - ❖ Early diagnosis: ≥ 350 cells/mm³ at time of diagnosis
 - ❖ Delayed diagnosis: < 350 cells/mm³ at time of diagnosis
- Patients were excluded if no baseline CD4 cell test data were available

3) Analysis

- Chi-squared tests and ANOVAs were used to compare clinical and demographic factors between patients within each diagnostic category
- The following variables were considered: Age, previous clinic attendance in the year preceding diagnosis, STI and HIV testing history, and the proportion of same-sex couples in patients' home neighbourhoods

CONCLUSIONS

- Nearly one quarter of HIV diagnoses among men in primary care were delayed
- Men with a delayed diagnosis were less likely than early-diagnosed men to attend for any reason in the year leading up to diagnosis
- 40% of men with delayed diagnoses had visited the clinic in the year prior to their diagnosis, suggesting missed opportunities for HIV testing
- Men with delayed diagnoses were generally older than those with early diagnoses and they tended to live in neighbourhoods with lower concentrations of same-sex attracted people
- HIV testing health promotion strategies, particularly among men who live outside traditional gay geographies, may be warranted

REFERENCES

[1] Antinori A, et al. 2011. Late presentation of HIV infection: a consensus definition. HIV Medicine, 12(1): 61-64.

High rates of delayed HIV diagnosis among men who have sex with men attending primary care suggests the need for health promotion strategies

RESULTS

HIV testing 2011 – 2013

- Men tested for HIV: 9025
- HIV diagnoses: 243 (2.7%, 95% CI: 2.4 – 3.1)

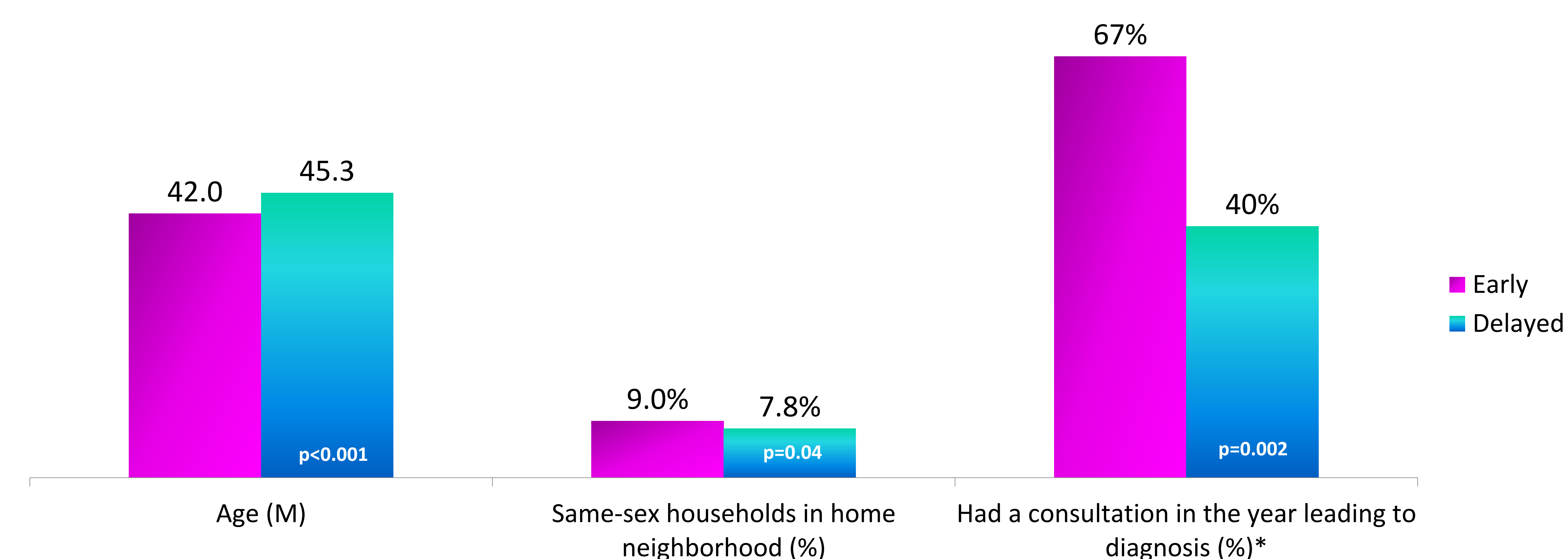
Early and delayed diagnoses

- Early diagnoses: 185 (76.1%, 95% CI: 70.3 – 81.3)
- Delayed diagnoses: 58 (23.9%, 95% CI: 18.7 – 29.7)

Clinical attendance among men with 'delayed' diagnoses

- 60% had not attended the clinic in the year prior to diagnosis
- 13% attended once for reasons other than sexual health
- 27% attended two or more times for reasons other than sexual health

Comparing men with early or delayed diagnoses:



*Restricted to men with at least 1 year available consult data

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