BACKGROUND

- The success of antiretroviral therapy has shifted HIV to a chronic disease, presenting new challenges for care.
- A range of HIV-associated non-AIDS comorbidities affect people living with HIV (PLWHIV).
- Cardiovascular (CV) and chronic kidney disease have emerged as important non-infectious comorbidities in the management of HIV.
- This project aimed to understand and confirm the priority areas of chronic condition management in Australia.

APPROACH

This project had three components:
1. Multidisciplinary half-day symposium: to discuss and identify current issues in supporting the chronic condition health needs of PLWHIV. Attendees represented key opinion leaders in the field, GPs (100 prescribers), sexual health professionals, infectious diseases physicians and two peak national bodies focused on the care of PLWHIV (ASHM and the National Association of People with HIV Australia (NAPWHA)).
2. MedicineInsight® report: Analysis of data on the care provided to PLWHIV by GPs.
3. Quality improvement program: Delivery of facilitated small group meetings to 15 general practices in New South Wales and Victoria, using data insights at national and individual practice level to inform discussion and identify areas for improvement.

WHAT IS MEDICINEINSIGHT?

- 705* recruited general practices
- 3.6 million* regular patients
- 3,300* general practitioners

As of June 2018

MedicineInsight is Australia’s leading large-scale general practice dataset. It extracts longitudinal, de-identified, whole of practice data (including historical data) from clinical information systems providing local, state and national level data insights.

Data analysis requires data to be recorded in the patient’s clinical record in fields from which data can be extracted and is limited by the method of GP entry and decision rules applied within the project.

OUTCOMES

- The symposium recommended focusing on CV and renal risk factors such as blood pressure, cholesterol and eGFR.
- The MedicineInsight report included data insights from 315 general practices, caring for 4492 PLWHIV (approximately 18% of estimated PLWHIV in Australia).
- The quality improvement program was delivered to 101 health professionals in 15 general practices with high and low caseloads of PLWHIV in Sydney and Melbourne.

INNOVATION AND SIGNIFICANCE

- The symposium informed a reflective quality improvement activity for general practices, aiming to improve clinical care for Australians living with HIV.
- When asked if they intended to change or had already changed their practice as a result of the visit, 50% of the GPs indicated intention to change and 10% reported they had changed their practice.
- Audit and feedback (A&F) is an effective intervention used widely in healthcare to monitor and change health professional behaviour to improve quality of care. Along with educational outreach, A&F is considered one of the most effective interventions to influence care.
- Improvements in monitoring frequency of lipid profile, blood pressure and eGFR could lead to improved health outcomes and quality of life for PLWHIV.

DISCLOSURES

This project was funded through an independent medical education grant by Gilead Sciences Pty Ltd

REFERENCES


ACKNOWLEDGEMENTS

We acknowledge and thank the PLWHIV and their general practitioners who participate in MedicineInsight. We would also like to thank the symposium participants for their guidance and recommendations.

*NSP MedicineWise