**Presentation title**

Intentional medication non-adherence and alcohol use in people with chronic disease

**Explain why your paper is relevant, important and of interest to GP22 participants**

Medication adherence is critical to the management of chronic disease. There is a gap in knowledge regarding the influence of alcohol consumption and adherence to medications prescribed for chronic disease. Understanding factors that impact on intentional medication non-adherence can help clarify modifiable areas of compliance and inform future interventions.

**Take home message**

* The association between alcohol consumption and medication non-adherence in people living with chronic disease
* Significance of alcohol toxicity beliefs and avoidance behaviours in people taking medications for chronic disease
* Importance of understanding views and experiences of people taking medications for chronic disease

**Background**

The influence of alcohol use on medication adherence specifically in patients with chronic disease has been little explored and mostly limited to patients with HIV. While alcohol interactions may be well-founded for some medications, it is possible that assumptions are being made by patients, affecting their choice in taking medications. More research is required to understand how alcohol consumption and medication necessity beliefs can contribute to medication non-adherence in people with chronic disease.

**Aim / Hypothesis**

To explore how alcohol use may affect decision to adhere to medications prescribed for chronic disease.

**Method**

This is a mixed methods studyinvolving quantitative cross-sectional surveys and qualitative semi-structured follow-up interviews. Patients with hypertension, hyperlipidemia and/or diabetes are recruited to participate in the survey via targeted convenience sampling from GP clinics in the Greater Sydney region, professional networks and social media. The survey will explore participants’ adherence to medication on days when alcohol is consumed, thoughts regarding medication necessity and alcohol toxicity. At the end of survey, participants will be invited to partake in interviews to further increase understanding of survey responses. Survey data will undergo statistical analysis. Interviews will be thematically analysed.

**Results**

Association between alcohol consumption, toxicity beliefs and medication adherence will be presented, alongside thematic analysis of patient views and experiences of medication taking.

**Discussion**

Study findings and implications of research will be discussed.

**Conclusion**

Conclusions and implications about potential future interventions will be discussed.