**Title**

Prevalence and associations of prescribing of Long Acting Reversible Contraception by GP registrars: a secondary analysis of ReCEnT study data

**Background**

Two thirds of Australian women of reproductive age use contraception, however, over 50% of women will have an unplanned pregnancy1. Long Acting Reversible Contraception (LARC) has been shown to be the most effective form of contraception, however only 3.2 - 8.9% of women use these methods1. GP registrars comprise the great majority of practitioners entering the Australian GP workforce and their practice behaviours are an important indicator of future primary care provision.

**Aims**

To determine the prevalence and associations of the prescribing of LARC by GP registrars.

**Method**

A cross-sectional analysis of data will be performed from the Registrar Clinical Encounters in Training (ReCEnT) study, an on-going multi-site cohort study of GP Registrar’s clinical encounters. Analysis will utilise ReCEnT data collected 2010-1018 in Australian GP training programs across 5 states.

**Results**

This research is being conducted as part of the RACGP Academic Post program, 2018. Research is ongoing and final multivariable results will be presented at the conference. Preliminary analysis reveals that LARC was prescribed in 0.5% of registrar consultations. In this dataset, 1,119 contraception prescriptions were for LARC, 58% of which were new prescriptions. 4,623 prescriptions were issued for non-LARC, and 27% of these were new prescriptions. Prescription of LARC accounted for 34% of all new contraception prescriptions by GP registrars. Statistically significant associations of LARC prescribing on univariate analyses were smaller practice size, rurality, lower socioeconomic status, and greater patient age. There is a significant trend for increasing LARC prescribing 2010-2017.

**Conclusion**

This research aims to provide evidence which will inform education and training policy to support and facilitate appropriate use of LARC as a contraception prescribing option by GP registrars.

**References**

1. Family Planning NSW. Reproductive and sexual health in Australia. Ashfield, Sydney: Family Planning NSW, 2013.