SWISS HIV COHORT STUDY

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COMPARISON BETWEEN HIV+ WOMEN TRANSITIONING THROUGH MENOPAUSE AND MEN OF SIMILAR AGE

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BACKGROUND

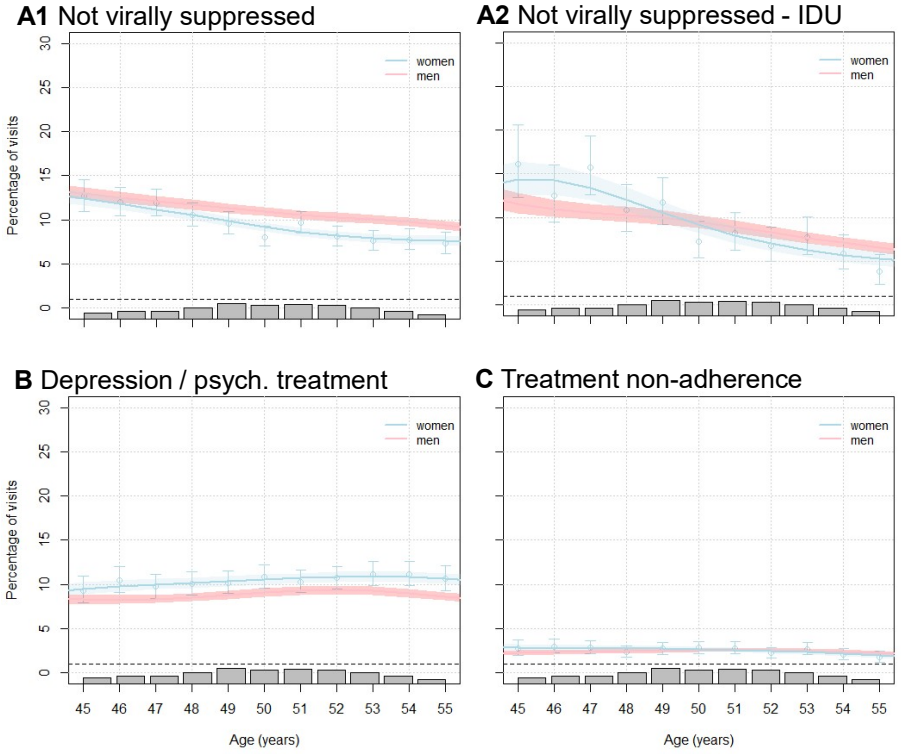
Not much is known about differences in treatment adherence, psychiatric health and HIV-viral control between women transitioning through menopause and men of similar age.

METHODS

- Retrospective Swiss HIV Cohort Study of 1'437 HIV+ women with menopause onset between 01/2010 and 12/2021, and 1'094 men of similar age (45-55yrs)
- Endpoints: Detectable HIV-RNA, depression and/or being in psychiatric care and self-reported treatment adherence
- Log-binomial regression models estimating trajectory over the age range, comparing men and women
- Adjusted for differences in *risk group*, *time on ART* and *year of visit* between men and women using inverse probability weighting

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Figure 1: % of visits with detectable HIV-RNA (**A**), psychiatric treatment and/or depression (**B**) and treatment non-adherence (**C**) for women (blue) and men (red); age at menopause histogram on the x-axis



RESULTS

- Detectable HIV-RNA (>50 copies/ml) was observed in 9.4% of women & 10.7% of men between the age of 45 and 55
- But there was little overall difference between women and men (**Fig A1**)
- Women with injecting drug use (IDU) as probable mode of HIV acquisition had a slight increase in detectable HIV-RNA during peri-menopause (**Fig A2**).
- 10.1% of women and 8.6% of men were depressed and/or in psychiatric care (aIRR 1.26, [1.12, 1.41], **Fig B**)
- No difference for self-reported treatment non-adherence (both 2.3%, **Fig C**)

CONCLUSIONS

- No differences between men and women of 45-55yrs for detectable HIV-RNA & treatment adherence
- Apart from women with IDU as mode of HIV acquisition, no increase in detectable HIV-RNA
- Slightly higher rate of being depressed and/or in psychiatric care for women 45-55 years compared to men

Slide 1

HA4 is thsi chloes correct affiliation?
Hachfeld, Anna; 31.01.2023

AA1 I googled her and she seems to have changed - can you mail her and ask?
Atkinson, Andrew; 02.02.2023