

## **Supplementary file 1. Full search strategy**

Platform: Pubmed

### Notes:

- 1- [MH] indicates Mesh Terms
- 2- [TW] indicates Text Word. Terms that are qualified with this field tag were searched in the following fields: title, abstract, MeSH headings and subheadings, other terms field (which includes author-supplied keywords), secondary source identifier
- 3- Terms qualified with \* were searched with their variations (for different endings)

### Search string:

(law\*[MH] OR law\*[TW] OR decriminalization[MH] OR decriminalization[TW] OR legalization[MH] OR legalization[TW])

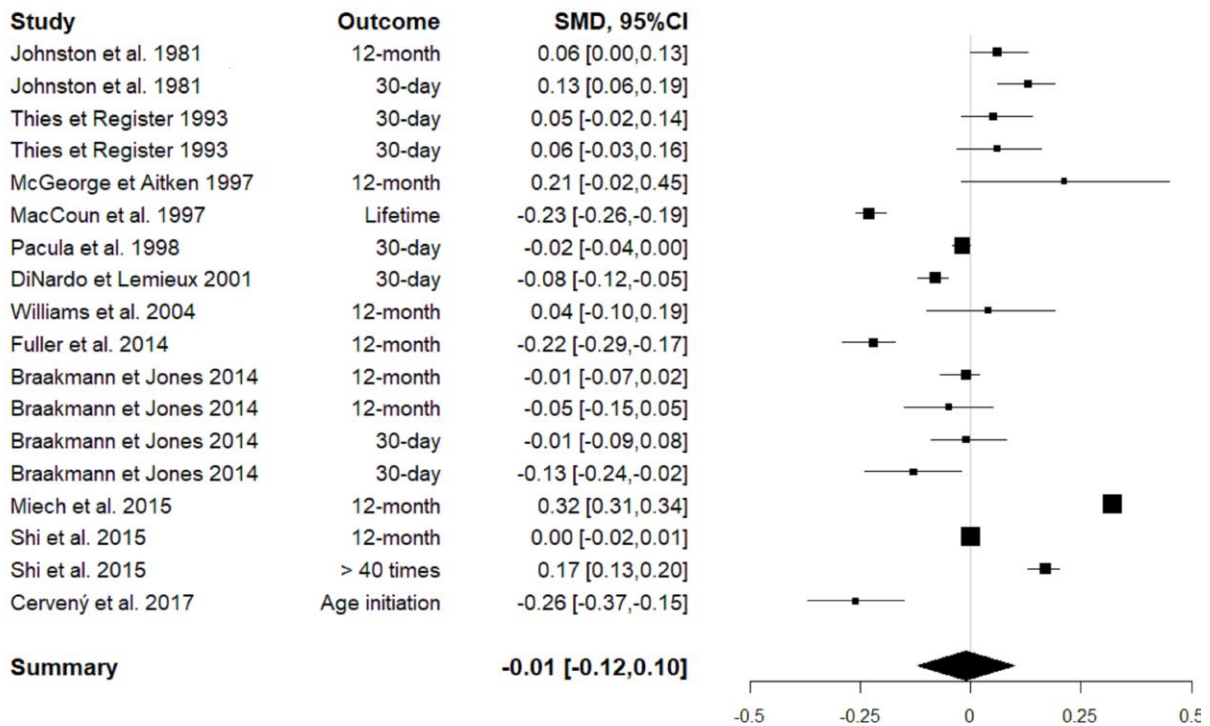
AND

(cannabis[MH] OR cannabis[TW] OR pot[MH] OR pot[TW] OR weed[MH] OR weed[TW] OR marijuana[MH] OR marijuana[TW] OR grass[MH] OR grass[TW])

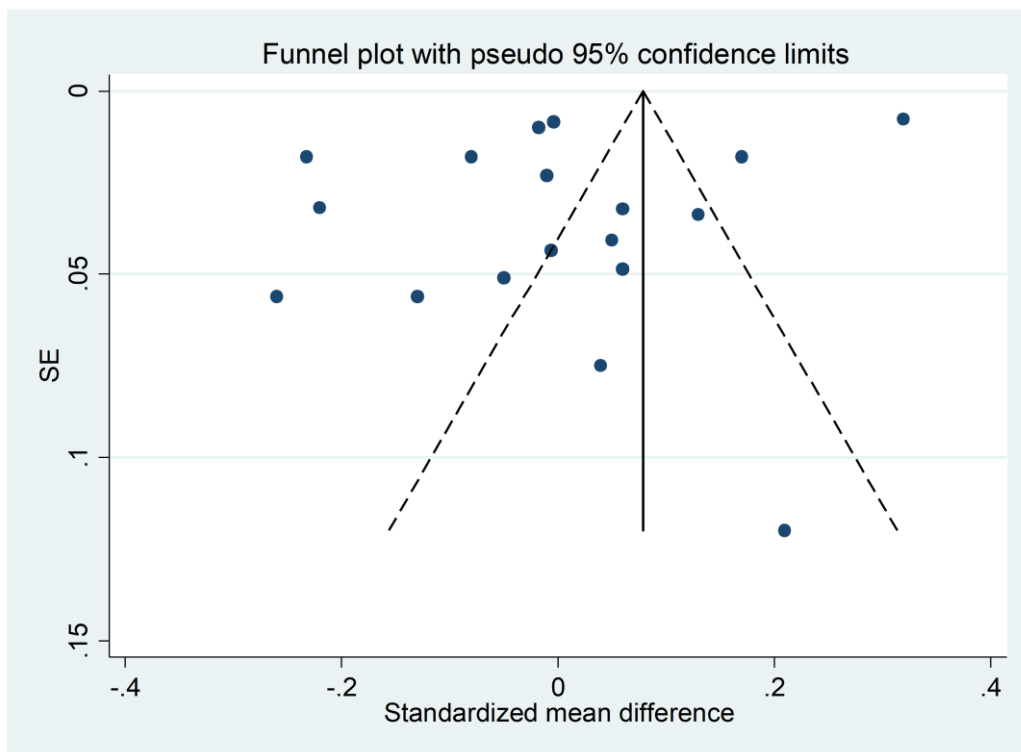
AND

(young[MH] OR young[TW] OR youth[MH] OR youth[TW] OR adolescen\*[MH] OR adolescen\*[TW] OR teen\*[MH] OR teen\*[TW] OR school\*[MH] OR school\*[TW] OR student[MH] OR student[TW])

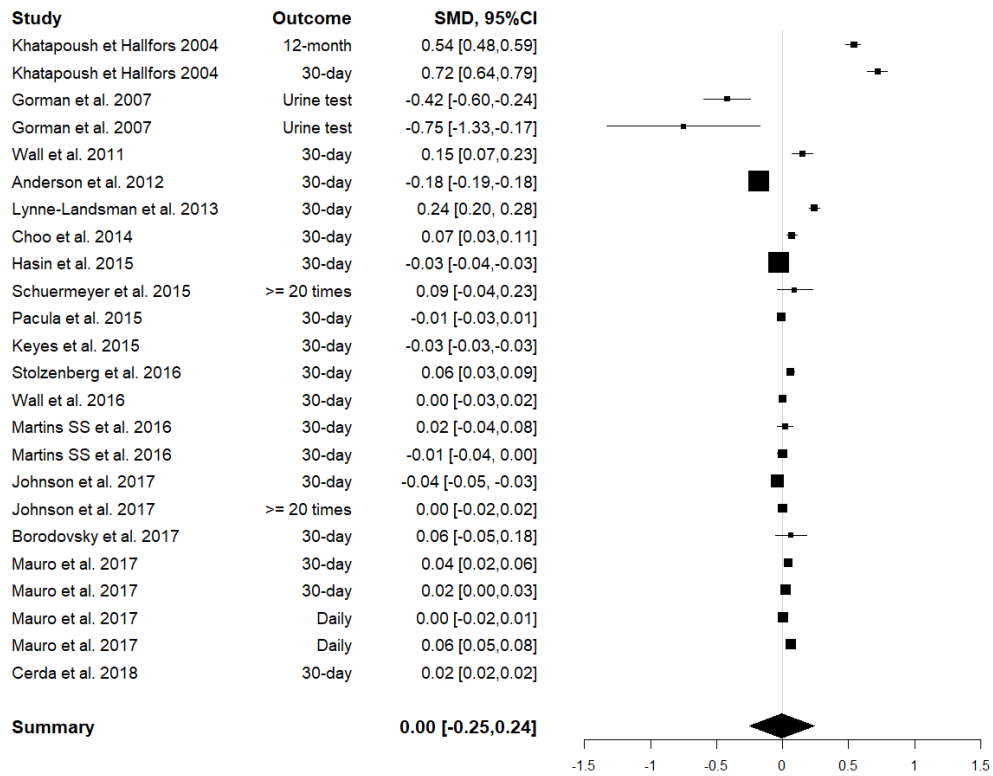
Limits: English language



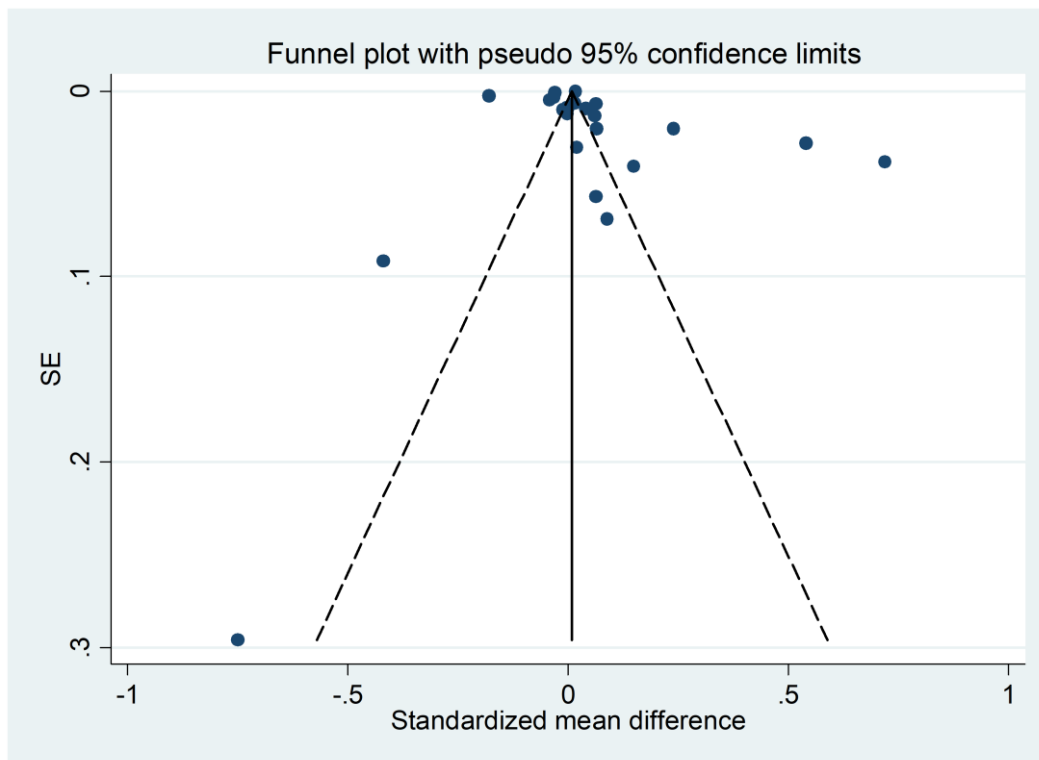
**Supplementary Figure 1A:** Meta-analysis of studies examining the relationship between cannabis decriminalization and levels of use in adolescents and young adults (12-25 years, prior to March 2018).



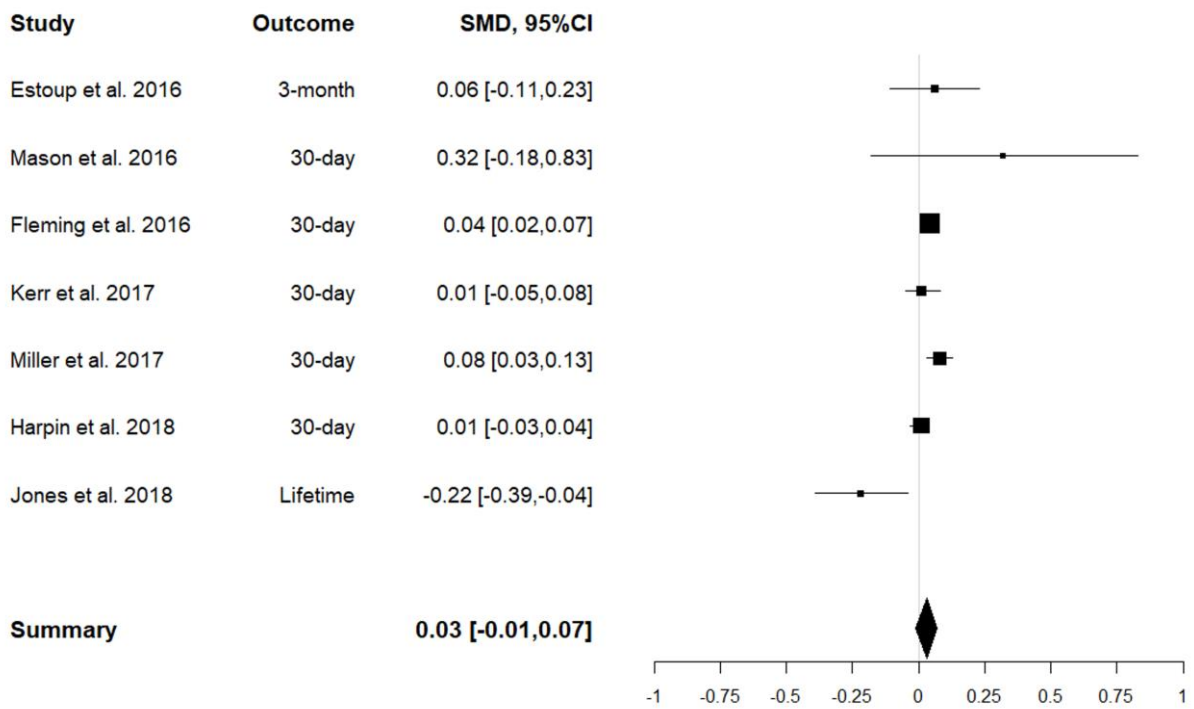
**Supplementary Figure 1B:** Funnel plot of studies examining the relationship between cannabis decriminalisation and levels of use in adolescents and young adults (12-25 years,  $I^2=99.1\%$ , prior to March 2018).



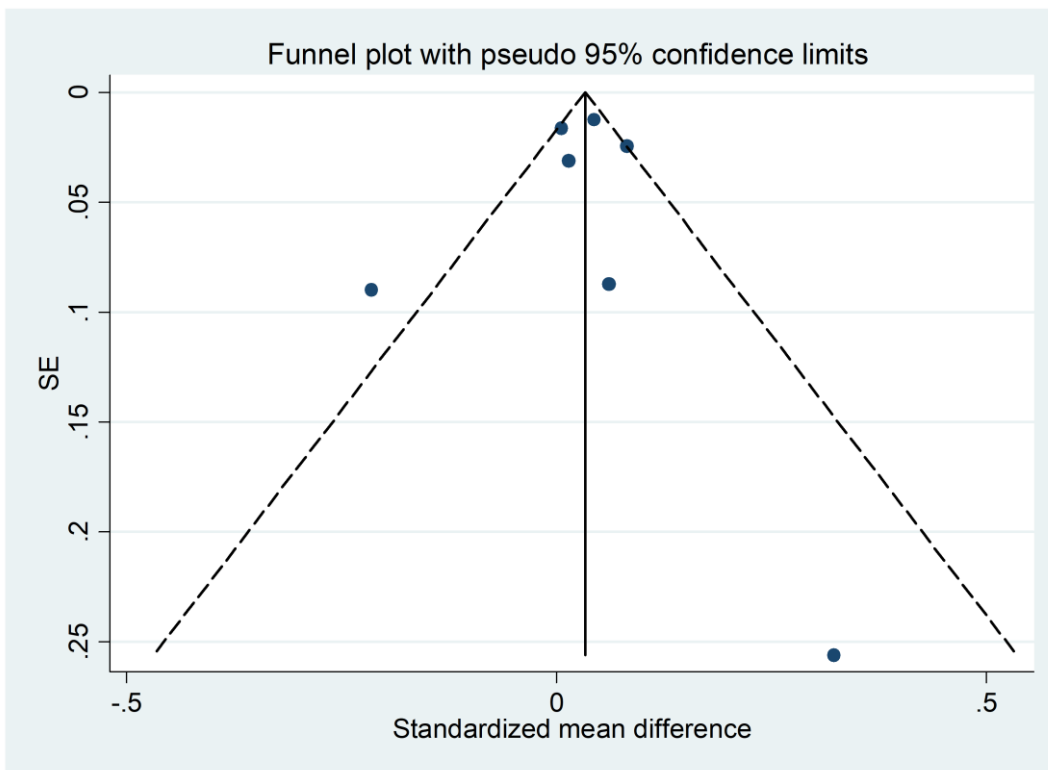
**Supplementary Figure 2A:** Meta-analysis of studies examining the relationship between the legalisation of cannabis for medical purposes and levels of use in adolescents and young adults (12-25 years, prior to March 2018).



**Supplementary Figure 2B:** Funnel plot of studies examining the relationship between legalisation of cannabis for medical purposes and levels of use in adolescents and young adults (12-25 years,  $I^2=98.6\%$ , prior to March 2018).



**Supplementary Figure 3A:** Meta-analysis of studies examining the relationship between the legalisation of cannabis for recreational purposes and levels of use in adolescents and young adults (12-25 years, prior to March 2018).



**Supplementary Figure 3B:** Funnel plot of studies examining the relationship between legalisation of cannabis for recreational purposes and levels of use in adolescents and young adults (12-25 years,  $I^2=45.0%$ , prior to March 2018).