

Supplementary information

Table S1: Search strategy

Theme	Number	Search terms
participants	#1	Youth [Text Word] OR Adolescen* [Mesh Term] OR “Young people” [Text Word] OR Teen* [Text Word] OR “Young adults” [Text Word] OR Students [Text Word]
intervention	#2	“HIV prevention intervention” [Text Word] OR “HIV prevention strateg*” [Text Word] OR “HIV prevention program*” [Text Word] OR “HIV education prevention program*” [Text Word] OR “Sexual* education program*” [Text Word] OR “Health behav* intervention” [Text Word] OR “Peer* education program*” [Text Word] OR “Peer* HIV prevention intervention” [Text Word] OR “HIV prevention model” [Text Word] OR “HIV/sexually transmitted infection/pregnancy intervention” [Text Word] OR “HIV/AIDS/STI reduction intervention” [Text Word] OR “HIV/STD risk reduction intervention” [Text Word] OR “Behav* intervention” [Text Word] OR “Structural intervention” OR “Behav* intervention” OR “Combin* intervention” OR “Multicomponent intervention” [Text Word] OR “Sexual health intervention” [Text Word] OR “Life skills intervention” [Text Word] OR “HIV/AIDS prevention intervention” [Text Word] OR “HIV/AIDS prevention program*” [Text Word]
outcomes	#3	“Risk* sexual behav*” [Text Word] OR “Unsafe sex” [Text Word] OR “High risk* sex” [Text Word] OR “Unhealthy sexual relations” [Text Word] OR “Sexual health behav*” [Text Word] OR “Sexual risk* behav*” [Text Word] OR “HIV/sexually transmitted infection risk behav*” [Text Word] OR “Sexual risk-taking behav*” [Text Word] OR “Risk* behav* practices” [Text Word] OR “Risk* behav*”

[Text Word] OR "Health risk* behav*" [Text Word] OR "Sexual partners" [Text Word] OR "Sexual behav*" [Text Word] OR "Forced sex" [Text Word] OR "Coerced sex" [Text Word] OR "Early sexual debut" [Text Word] OR "Early marriage" [Text Word] OR "Transactional sex" [Text Word] OR "Intergenerational sex" [Text Word] OR Multiple sexual partners [MeSH term] OR "Sex partners" [Text Word] OR "Multiple sex partners" OR "Concurrent sexual partners" [Text Word] OR "Condomless sex" [Text Word] OR "Unprotected sex" [Text Word] OR "Inconsistent condom use" [Text Word] OR "Pregnancy incidence" [Text Word]

Search	#4	<p>1 AND 2 AND 3 = (Youth [Text Word] OR Adolescen* [Mesh Term] OR "Young people" [Text Word] OR Teen* [Text Word] OR "Young adults" [Text Word] OR Students [Text Word]) AND ("HIV prevention intervention" [Text Word] OR "HIV prevention strateg*" [Text Word] OR "HIV prevention program*" [Text Word] OR "HIV education prevention program*" [Text Word] OR "Sexual* education program*" [Text Word] OR "Health behav* intervention" [Text Word] OR "Peer* education program*" [Text Word] OR "Peer* HIV prevention intervention" [Text Word] OR "HIV prevention model" [Text Word] OR "HIV/sexually transmitted infection/pregnancy intervention" [Text Word] OR "HIV/AIDS/STI reduction intervention" [Text Word] OR "HIV/STD risk reduction intervention" [Text Word] OR "Behav* intervention" [Text Word] OR "Structural intervention" OR "Behav* intervention" OR "Combin* intervention" OR "Multicomponent intervention" [Text Word] OR "Sexual health intervention" [Text Word] OR "Life skills intervention" [Text Word] OR "HIV/AIDS</p>
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prevention intervention" [Text Word] OR "HIV/AIDS prevention program"[Text Word]) AND "Risk* sexual behav*" [Text Word] OR "Unsafe sex" [Text Word] OR "High risk* sex" [Text Word] OR "Unhealthy sexual relations" [Text Word] OR "Sexual health behav*" [Text Word] OR "Sexual risk* behav*" [Text Word] OR "HIV/sexually transmitted infection risk behav*" [Text Word] OR "Sexual risk-taking behav*" [Text Word] OR "Risk* behav* practices" [Text Word] OR "Risk* behav*" [Text Word] OR "Health risk* behav*" [Text Word] OR "Sexual partners" [Text Word] OR "Sexual behav*" [Text Word] OR "Forced sex" [Text Word] OR "Coerced sex" [Text Word] OR "Early sexual debut" [Text Word] OR "Early marriage" [Text Word] OR "Transactional sex" [Text Word] OR "Intergenerational sex" [Text Word] OR Multiple sexual partners [MeSH term] OR "Sex partners" [Text Word] OR "Multiple sex partners" OR "Concurrent sexual partners" [Text Word] OR "Condomless sex" [Text Word] OR "Unprotected sex" [Text Word] OR "Inconsistent condom use" [Text Word] OR "Pregnancy incidence" [Text Word]

Limits	#5	Publications from 2011/08/01 to 2021/08/31
		Age outside 15 to 24 years
		Non-English publications
