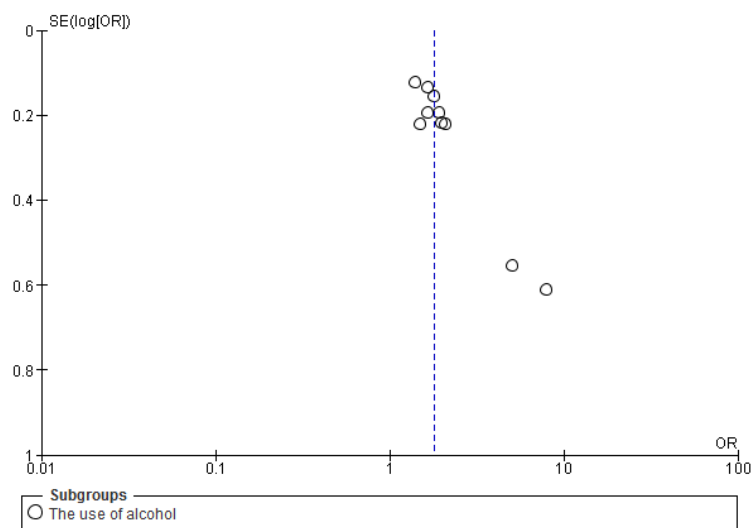


Sample sizes and number of studies included per determinant

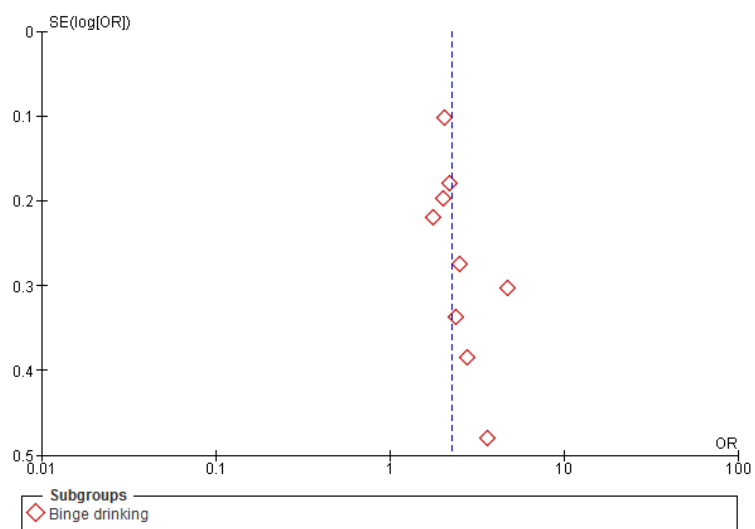
Theme	Determinant	Number of studies	Sample size
<i>Sociodemographic</i>	Urban treatment site	3	1423
	Cost barrier to treatment	5	1218
	Use of herbal/traditional medicine/treatment	5	1903
	Non-use of herbal/traditional medicine/treatment	1	393
	Food insecurity	6	4550
	Low income/poverty	6	3029
	Formal education	5	1484
	Low or no education	7	2454
	Age group 35-50+	6	24974
	Age group 15-35	8	42412
	Male	7	6237
	Female	7	2690
	Does not drink	2	2183
	Binge drinking	9	13822
	Use of alcohol	10	9018
<i>Psychosocial</i>	Discrimination	4	3220
	Poor support	4	1220
	Good support	3	920
	Depression	8	4923
	Non-disclosure	7	2236
	Disclosure	3	6019
<i>Treatment</i>	Stock-out	2	615
	ART always available	1	428
	Missing scheduled clinic visits	4	1259
	Side effects	10	4209
<i>Health status</i>	More than 50 cells/mm ³	1	897
	More than 200 cells/mm ³	4	35954
	Lower than 200 cells/m ³	2	1592
<i>Counseling, educations and interventions</i>	Poor knowledge	2	2660
	No treatment partner	1	375
	Having a treatment partner	2	27611

Funnel plots used to assess publication bias

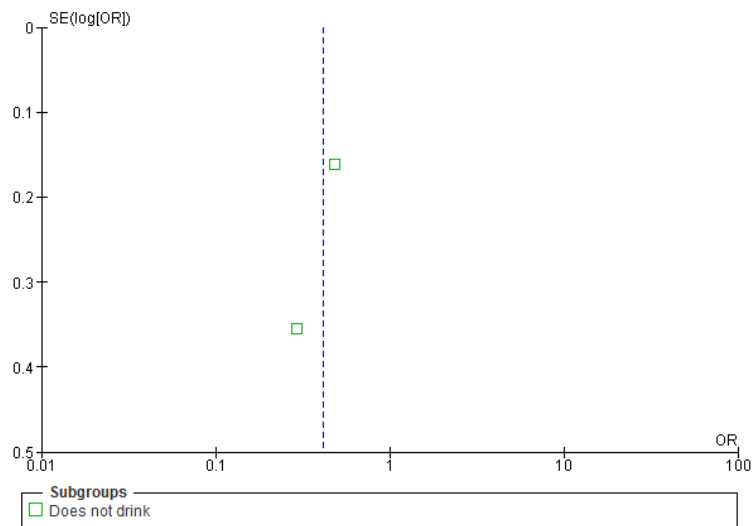
Socio-demographic, socio-economic and lifestyle factors



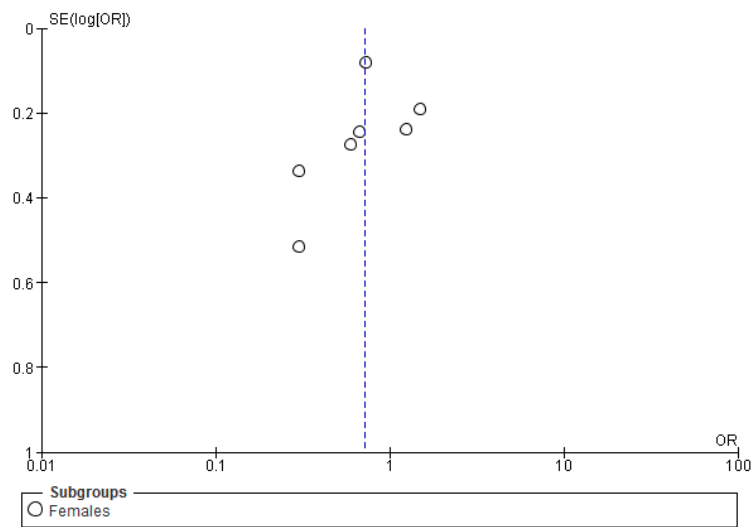
Funnel plot 1 The use of alcohol



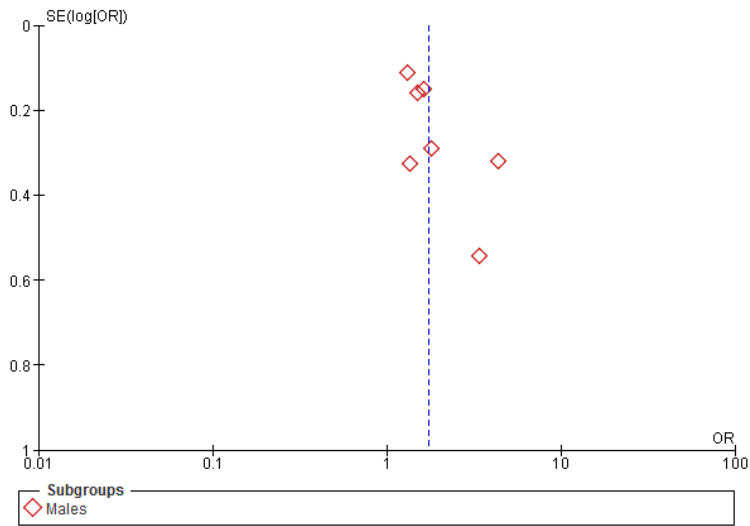
Funnel plot 2 Binge drinking



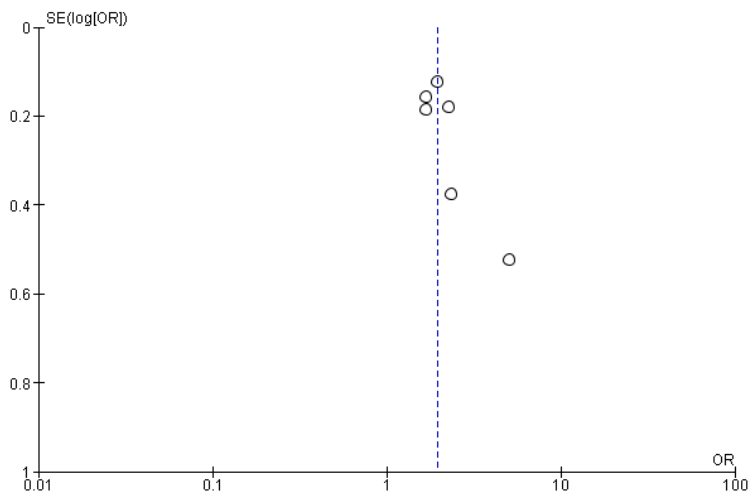
Funnel plot 3 Does not drink



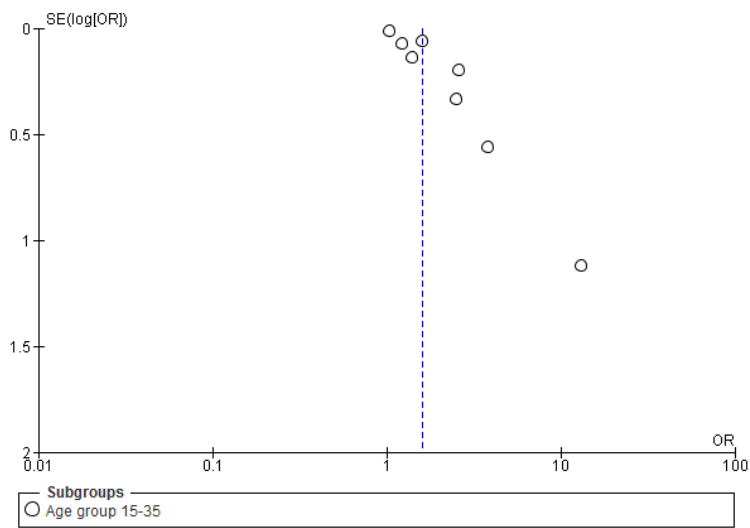
Funnel plot 4 Female gender



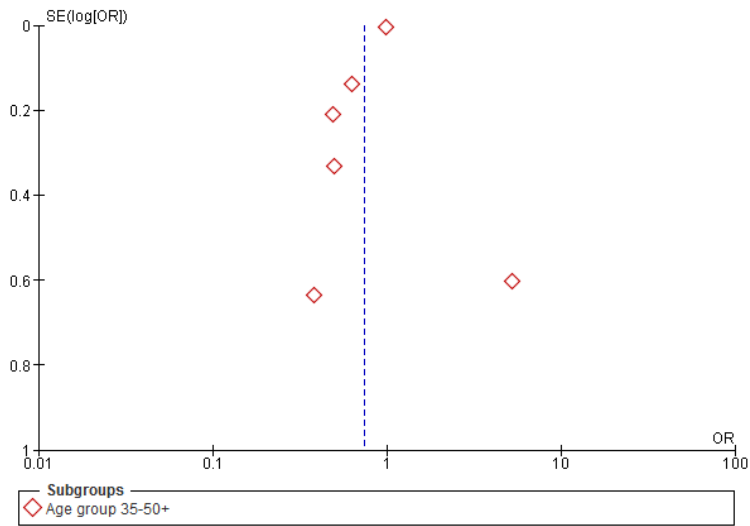
Funnel plot 5 Male gender



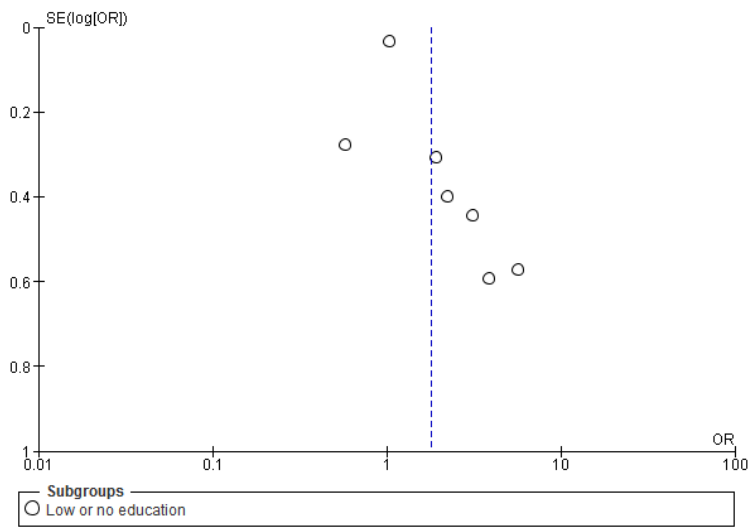
Funnel plot 6 Food insecurity



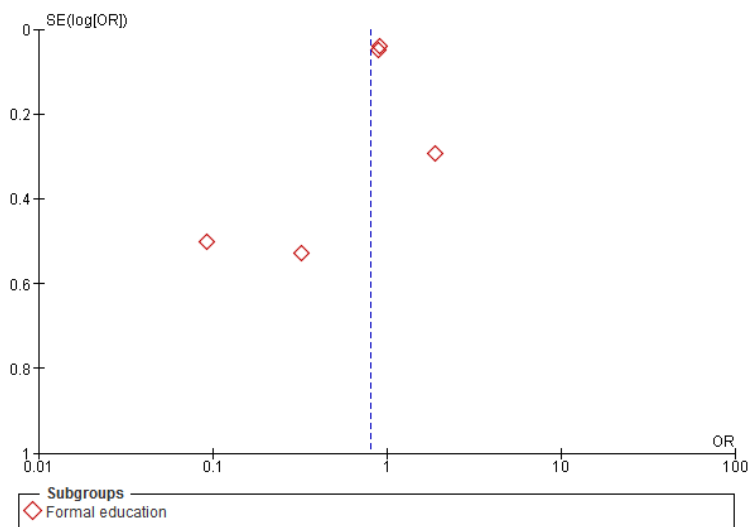
Funnel plot 7 Age group 15-35



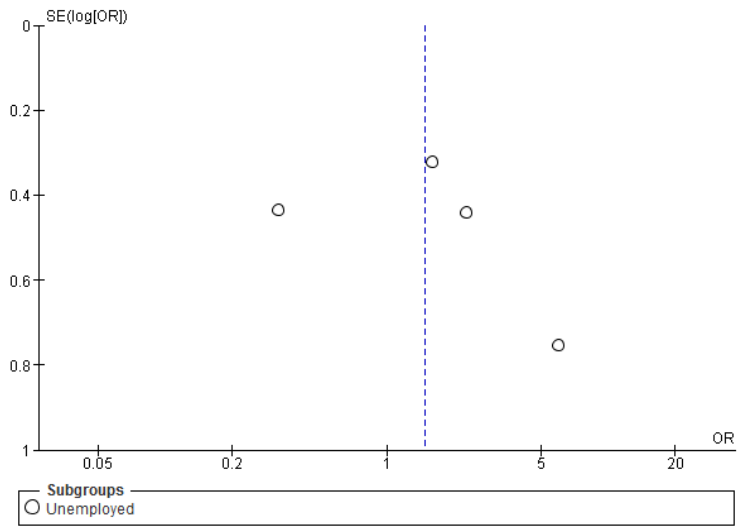
Funnel plot 8 Age group 35-50+



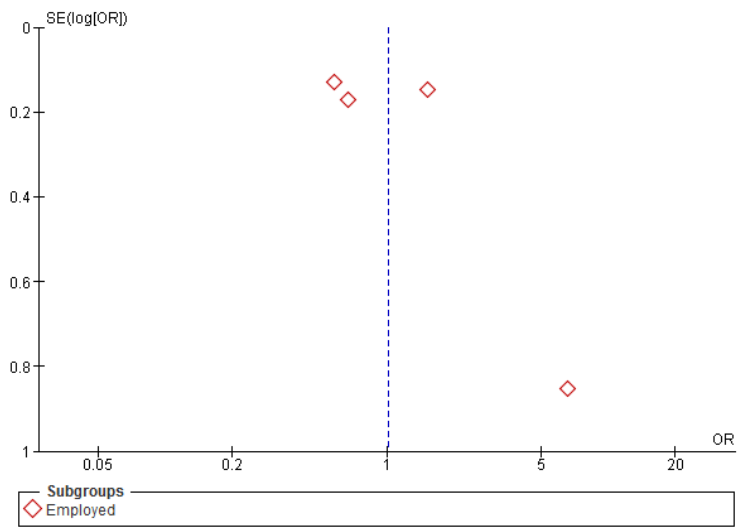
Funnel plot 9 Low or no education



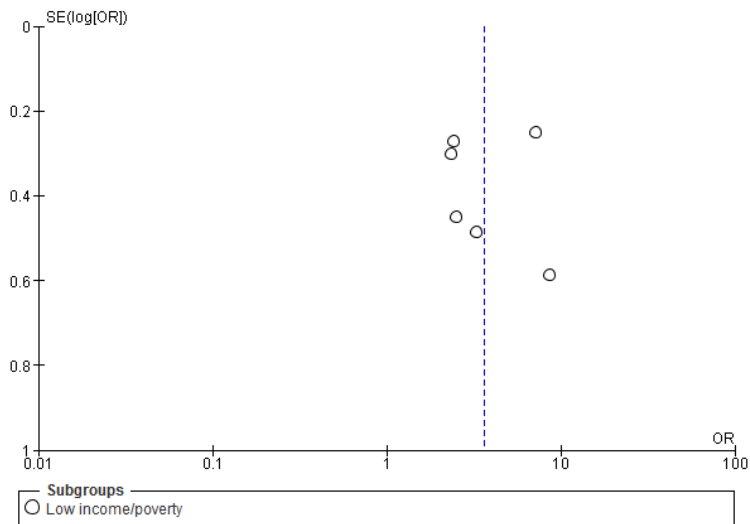
Funnel plot 10 Formal education



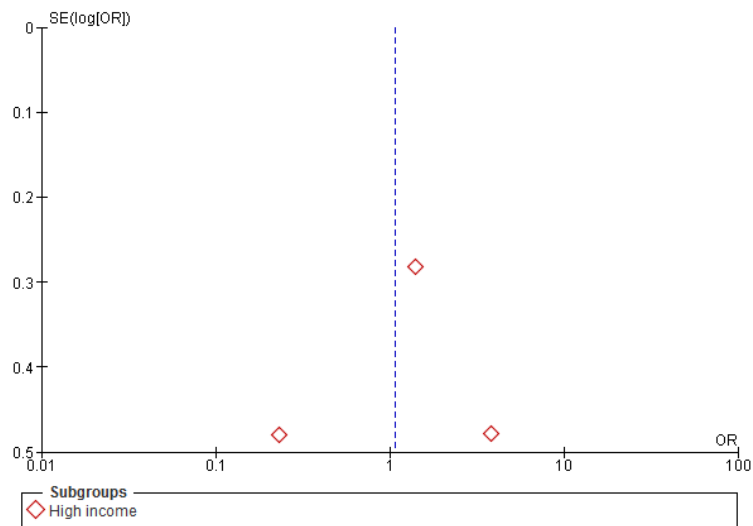
Funnel plot 11 Unemployed



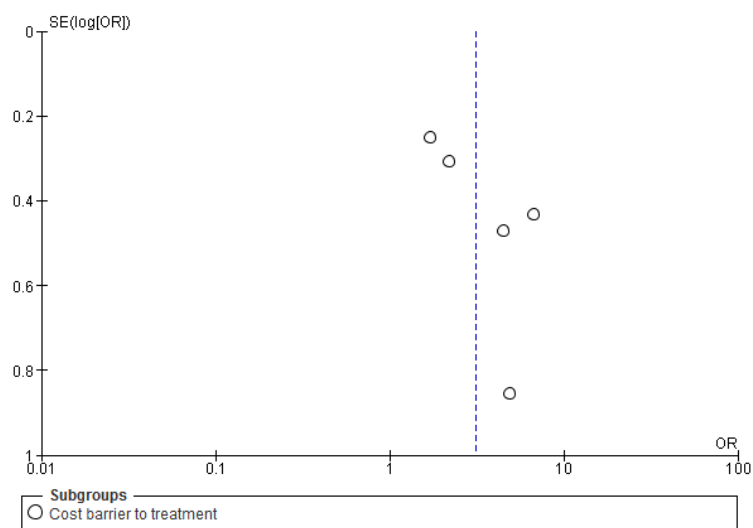
Funnel plot 12 Employed



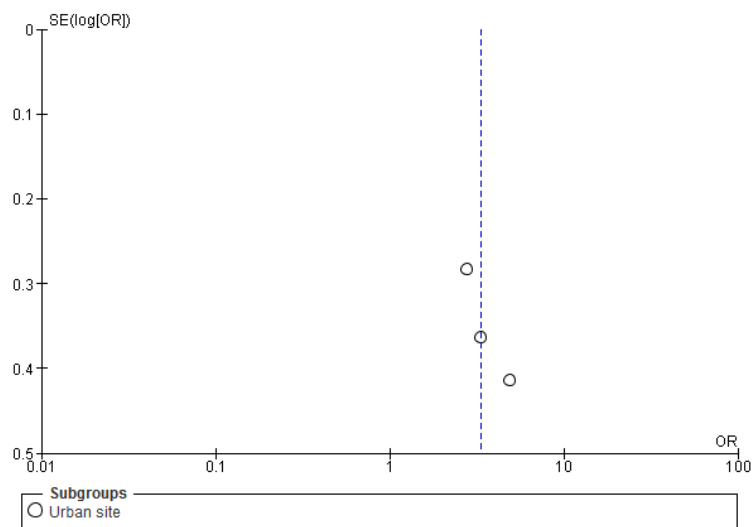
Funnel plot 13 Low income and/or living in poverty



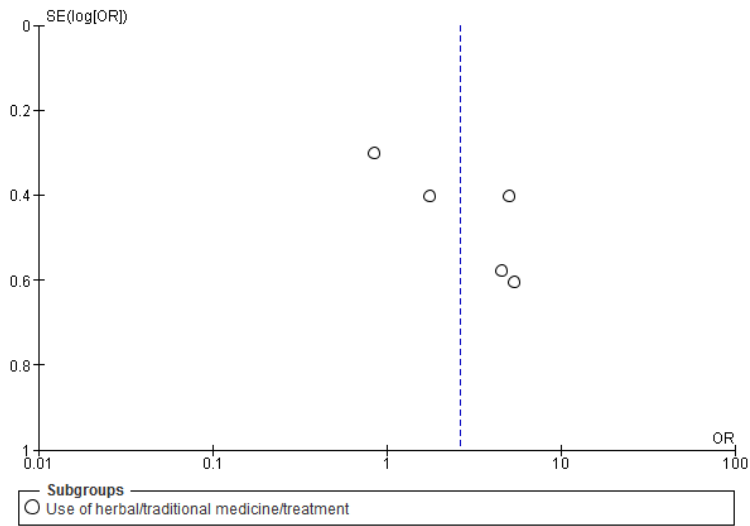
Funnel plot 14 High income



Funnel plot 15 Cost a barrier to treatment

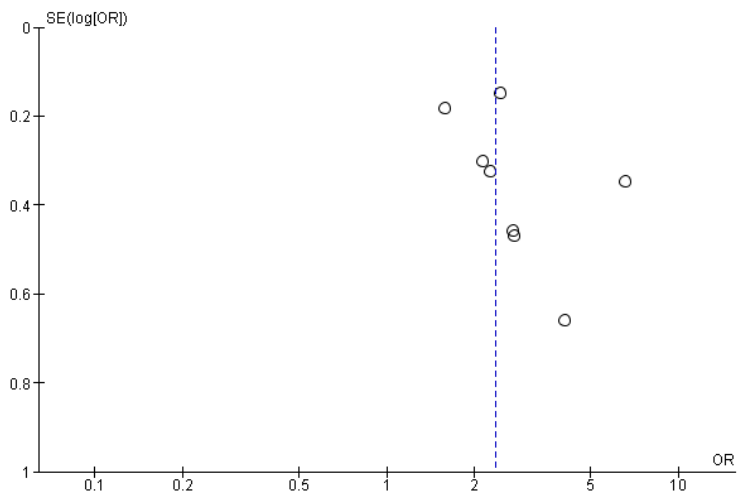


Funnel plot 16 Urban residence/treatment site

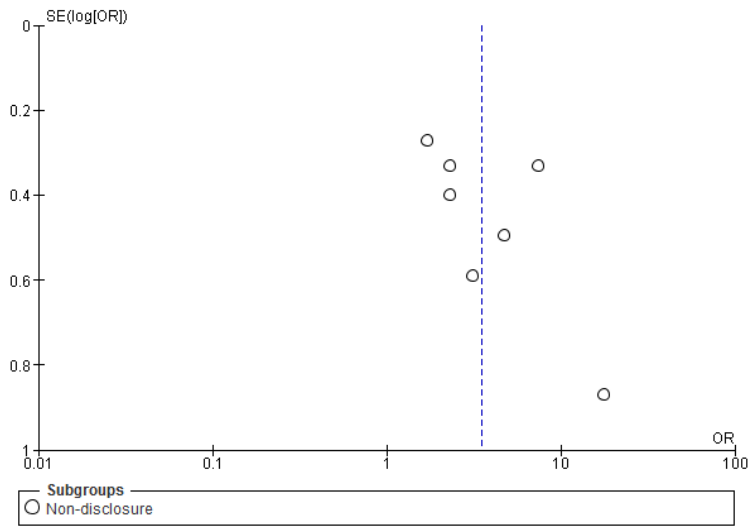


Funnel plot 17 Use of herbal/traditional medicine/treatment

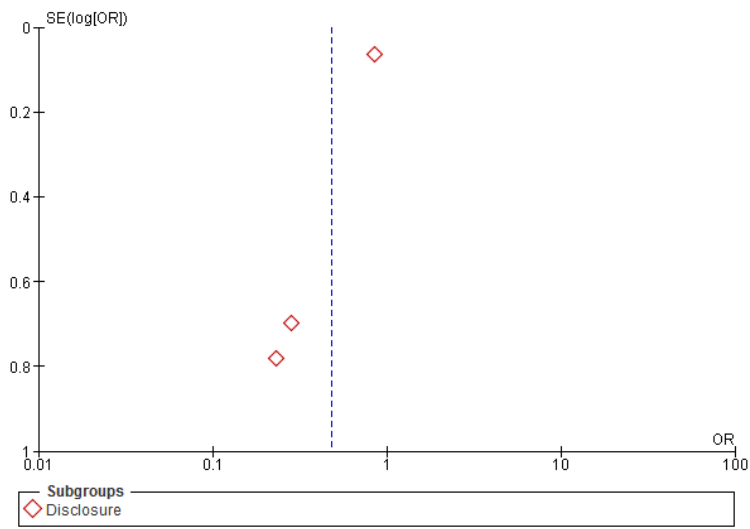
Psychosocial



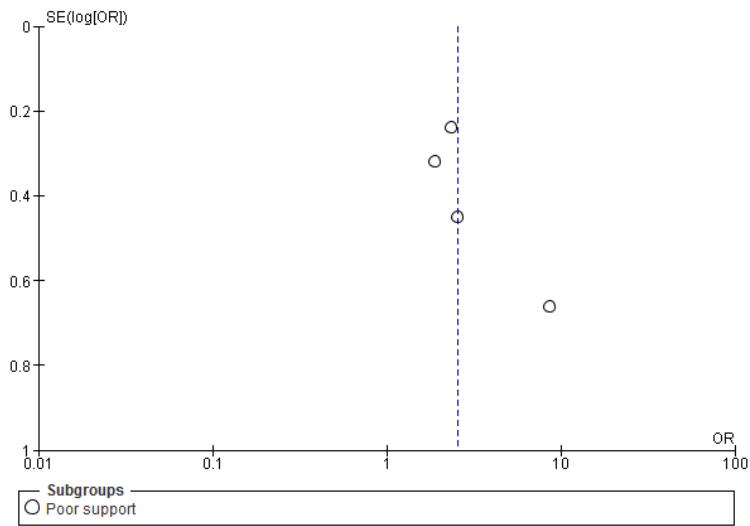
Funnel plot 18 Depression



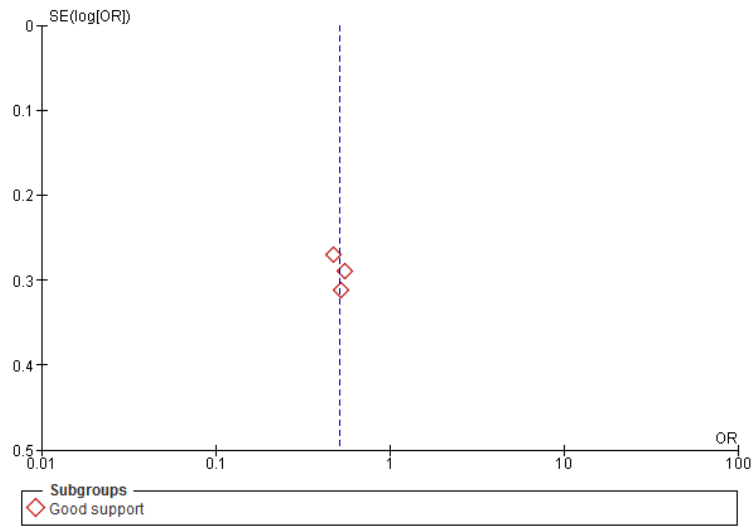
Funnel plot 19 Non-disclosure of status



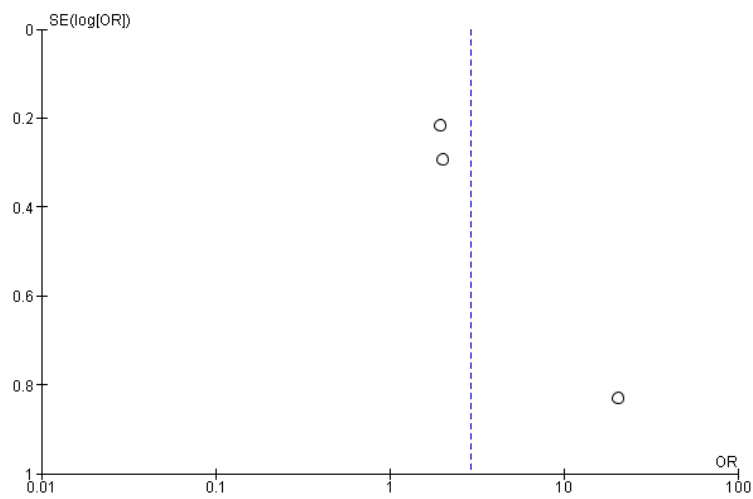
Funnel plot 20 Disclosure of status



Funnel plot 21 Poor social support

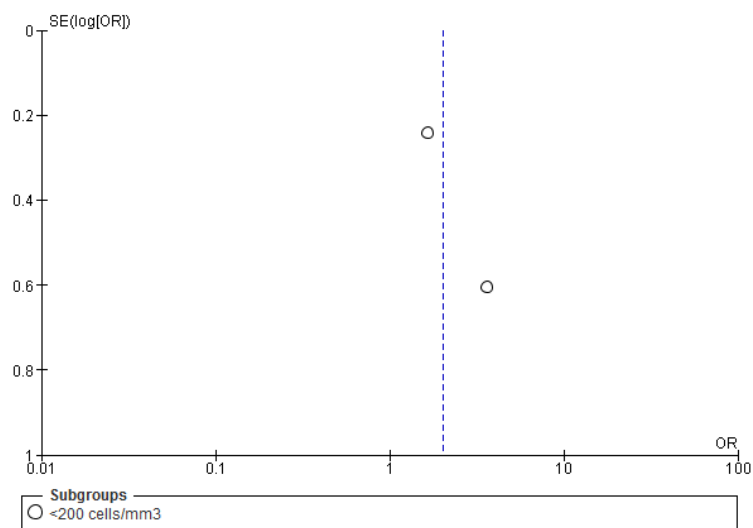


Funnel plot 22 Good social support

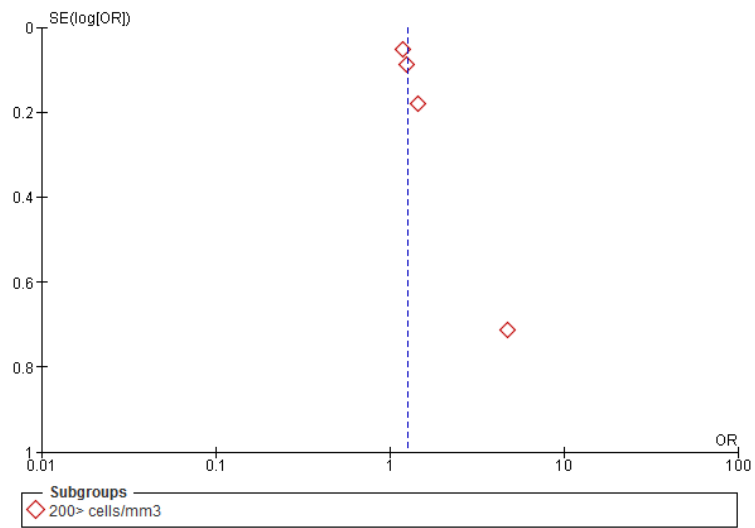


Funnel plot 23 Discrimination

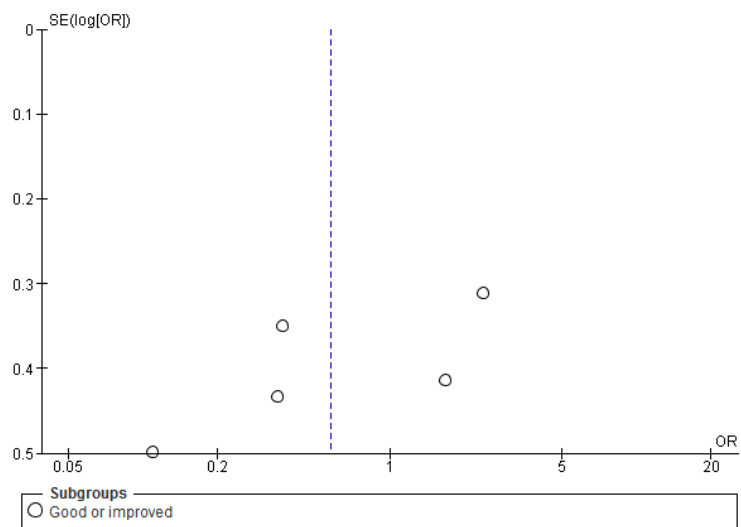
Health status



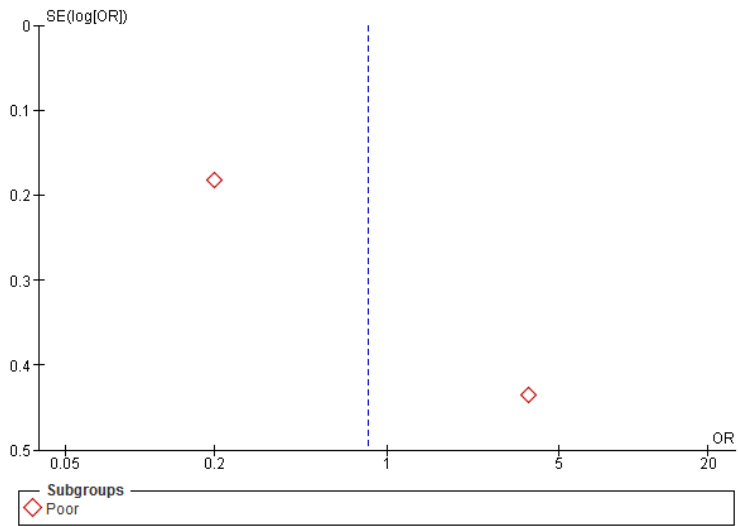
Funnel plot 24 CD4 cell count <200 cells/mm3



Funnel plot 25 CD4 cell count >200 cells/mm3

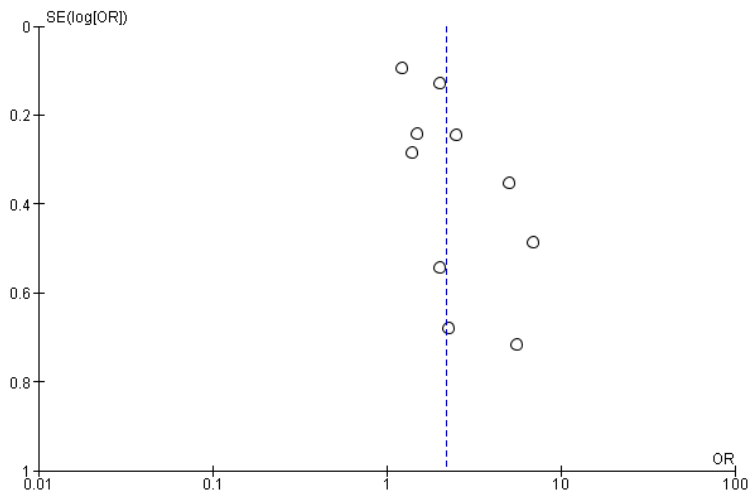


Funnel plot 26 Perceived health status good or improved

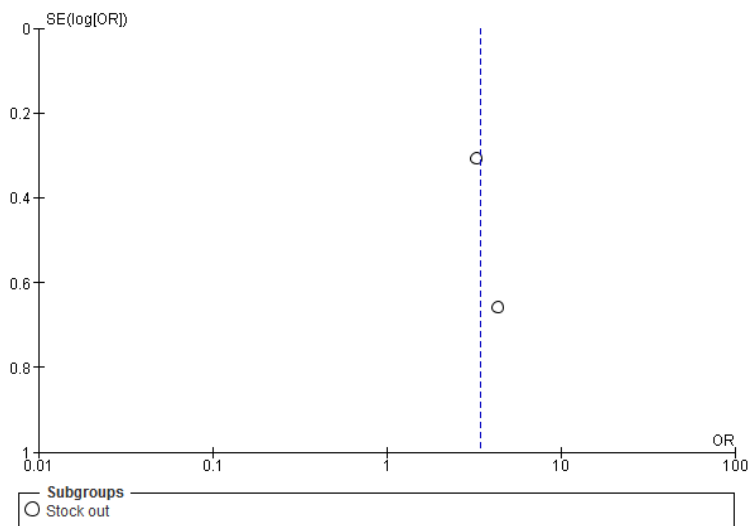


Funnel plot 27 Perceived health status as poor

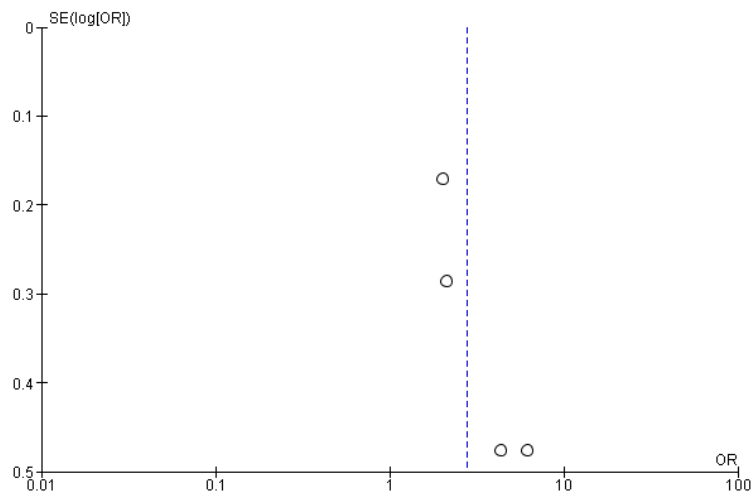
Treatment and health facilities



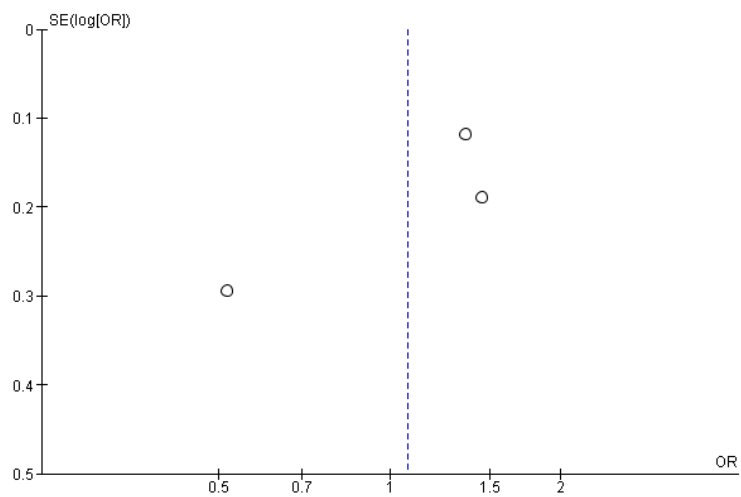
Funnel plot 28 Side effects



Funnel plot 29 ART stock-out

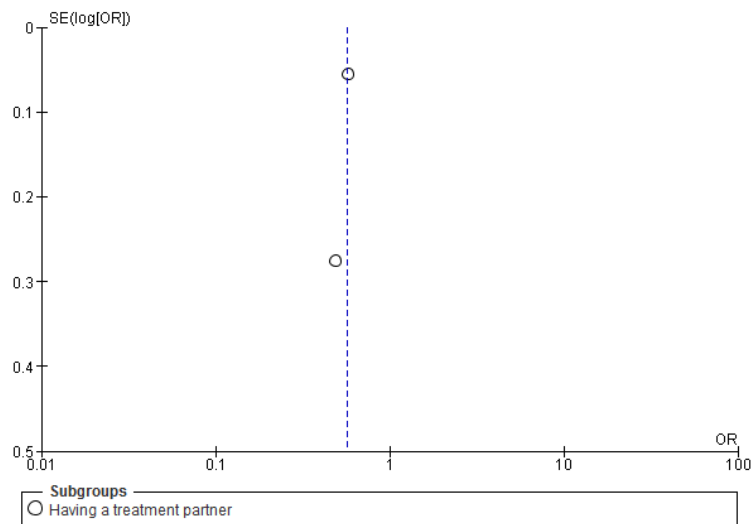


Funnel plot 30 Missing scheduled clinic visits

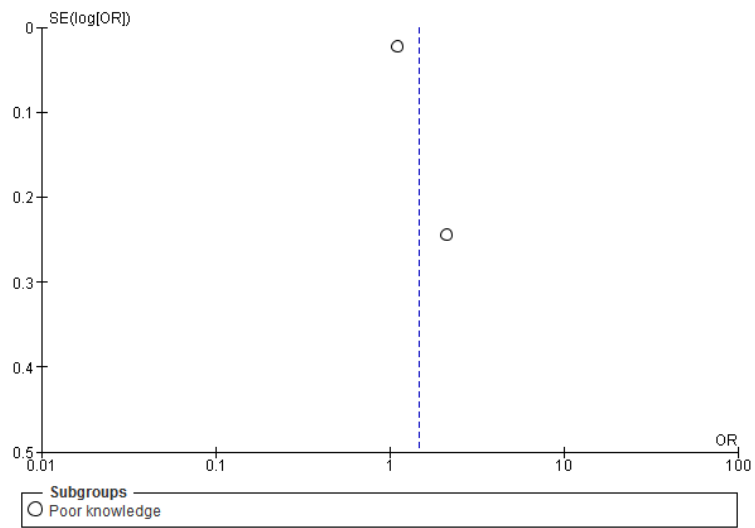


Funnel plot 31 Change in medication or regimen

Counseling and education interventions



Funnel plot 32 Having a treatment partner



Funnel plot 33 Knowledge about ART