

THE LANCET

Public Health

Supplementary appendix

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Appendix 1a. PubMed search terms.

Adolescence	Justice system	Juvenile offender	Health
Adolescent* Youth Young Juvenile*	Detention "justice system" "correctional facility" "correctional facilities"	"detained adolescent" "incarcerated adolescent" "incarcerated adolescents" "juvenile offender" "juvenile offenders" "juvenile justice" "juvenile detainee" "juvenile detainees" "juveniles detained" "juvenile detention" "juveniles arrested" "juvenile arrestee" "juveniles arrested" "juvenile arrestees" "incarcerated youth" "incarcerated youths" "youth incarcerated" "detained youth" "detained youths" "young detainee" "young detainees" "young arrestee" "young arrestees" "juvenile court" "juvenile courts" "young offender" "young offenders" "juvenile delinquency" "juvenile delinquent"	Illness Illnesses Disease Diseases Disorder Disorders Infection Infections Mortality Mortalities Asthma Suicide suicides suicidal "self harm" "self destructive" "self mutilation" "self inflicted" "self injury" "self injuries" "self-harm" "self-destructive" "self-mutilation" "self-inflicted" "self-injury" "self-injuries" NSSI "mental health problem" "mental health problems"

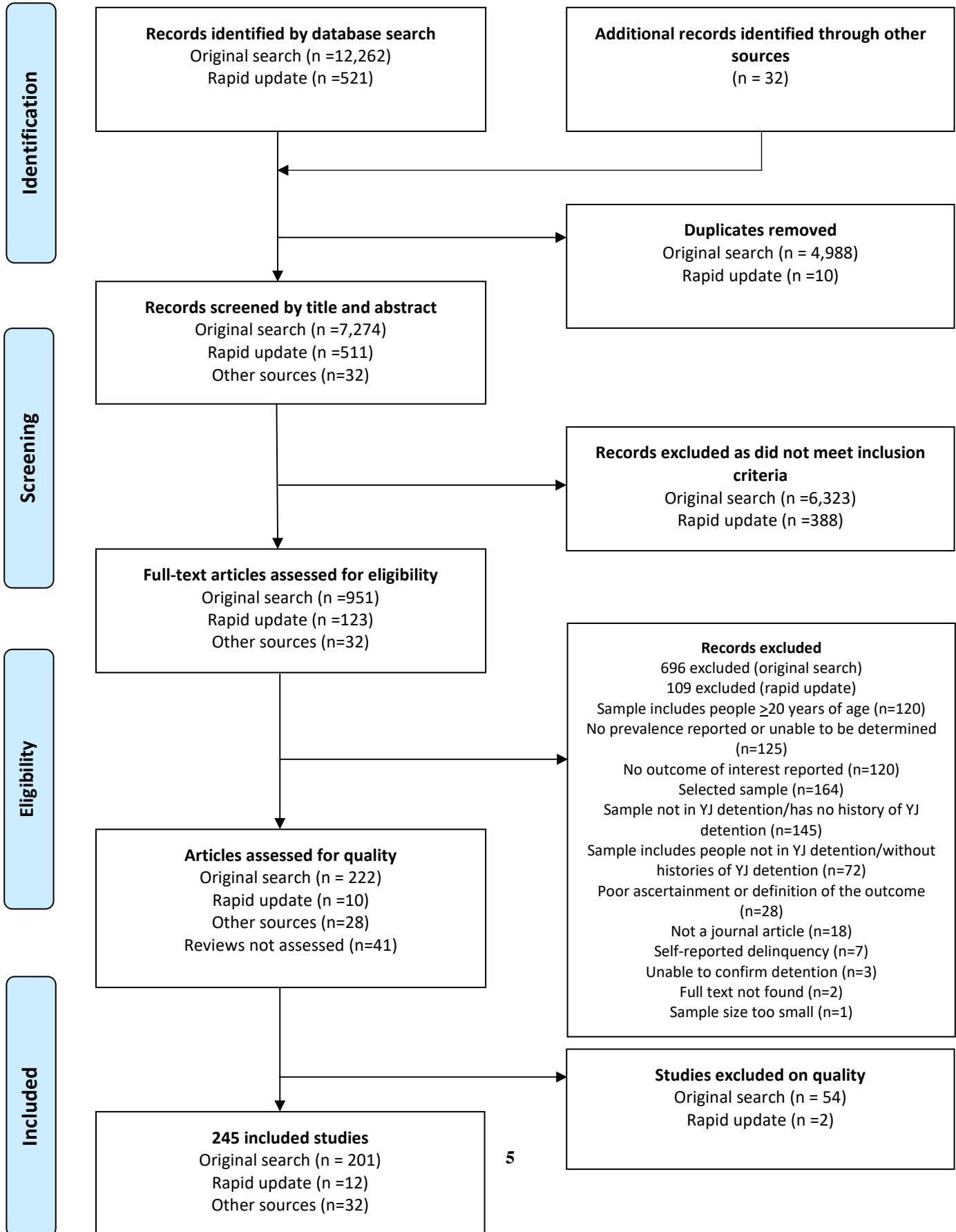
		"juvenile delinquents" "young delinquent" "young delinquents" "youth detained" "young detained" "young arrested" "young incarcerated"	psychiatric PTSD ADHD "oppositional defiant" depression anxiety schizophrenia bipolar psychopathy psychopathological HIV AIDS STD "STDs" "sexually transmitted" hepatitis hepatic "blood-borne" TB tuberculosis herpes "genital wart" "genital warts" pregnancy "tobacco use" smoking "substance use" "alcohol use" "drug use" "substance abuse" "alcohol abuse" "drug abuse"
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			<p>“substance misuse” “alcohol misuse” “drug misuse” addiction “risky sex” “risky sexual” “risky behaviour” “risky behavior” “risk behavior” “risk behaviour” “risky behaviours” “risky behaviors” “risk behaviors” “risk behaviours” “unsafe sex” “unsafe sexual”</p>
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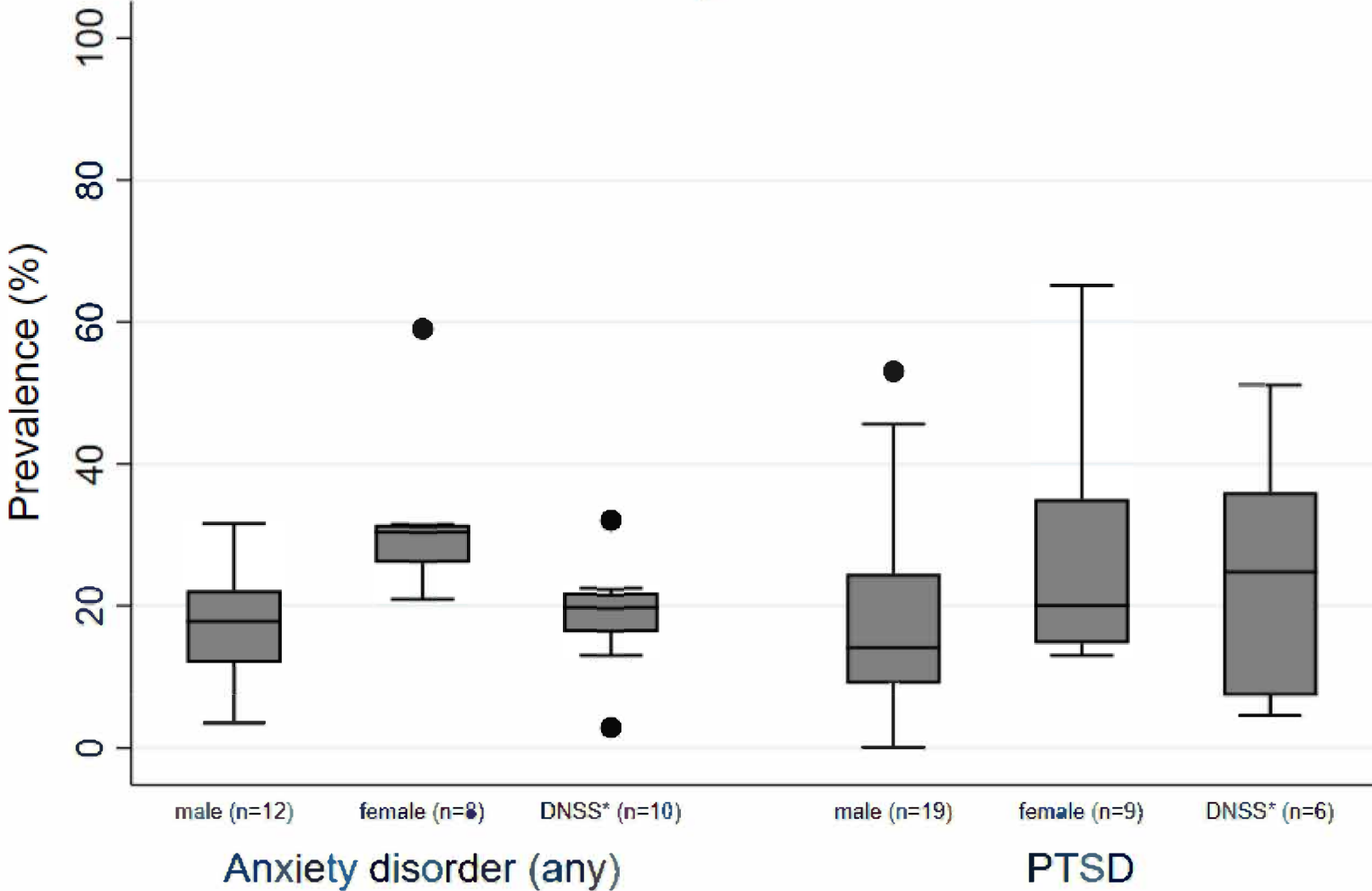
Appendix 1b. PubMed search strategy.

1. adolescen* OR young OR juvenile* OR youth*
2. "justice system" OR detention OR "correctional facility" OR "correctional facilities"
3. "incarcerated adolescents" OR "incarcerated adolescent" OR "juvenile offender" OR "juvenile offenders" OR "juvenile justice" OR "juvenile detainee" OR "juvenile detainees" OR "juveniles detained" OR "juvenile detention" OR "juveniles arrested" OR "juvenile arrestee" OR "juveniles arrested" OR "juvenile arrestees" OR "incarcerated youth" OR "incarcerated youths" OR "youth incarcerated" OR "detained youth" OR "detained youths" OR "young detainee" OR "young detainees" OR "young arrestee" OR "young arrestees" OR "juvenile court" OR "juvenile courts" OR "young offender" OR "young offenders" OR "juvenile delinquency" OR "juvenile delinquent" OR "juvenile delinquents" OR "young delinquent" OR "young delinquents" OR "youth detained" OR "young detained" OR "young arrested" OR "young incarcerated"
4. illness OR illnesses OR disease OR diseases OR disorder OR disorders OR infection OR infections OR mortality OR mortalities OR asthma OR suicide OR suicides OR suicidal OR "self harm" OR "self destructive" OR "self mutilation" OR "self inflicted" OR "self injury" OR "self injuries" OR "self-harm" OR "self-destructive" OR "self-mutilation" OR "self-inflicted" OR "self-injury" OR "self-injuries" OR NSSI OR "mental health problem" OR "mental health problems" OR psychiatric OR PTSD OR ADHD OR "oppositional defiant" OR depression OR anxiety OR schizophrenia OR bipolar OR psychopathy OR psychopathological OR HIV OR AIDS OR STD OR "STDs" OR "sexually transmitted" OR hepatitis OR hepatic OR "blood-borne" OR "blood borne" OR TB OR tuberculosis OR herpes OR "genital wart" OR "genital warts" OR pregnancy OR "tobacco use" OR smoking OR "substance use" OR "alcohol use" OR "drug use" OR "substance abuse" OR "alcohol abuse" OR "drug abuse" OR "substance misuse" OR "alcohol misuse" OR "drug misuse" OR addiction OR "risky sex" OR "risky sexual" OR "risky behaviour" OR "risky behavior" OR "risk behavior" OR "risk behaviour" OR "risky behaviours" OR "risky behaviors" OR "risk behaviors" OR "risk behaviours" OR "unsafe sex" OR "unsafe sexual"
5. 1 AND 2 AND 4
6. 2 AND 4
7. 5 OR 6
8. Limit 7 to yr = "1980 – Current"

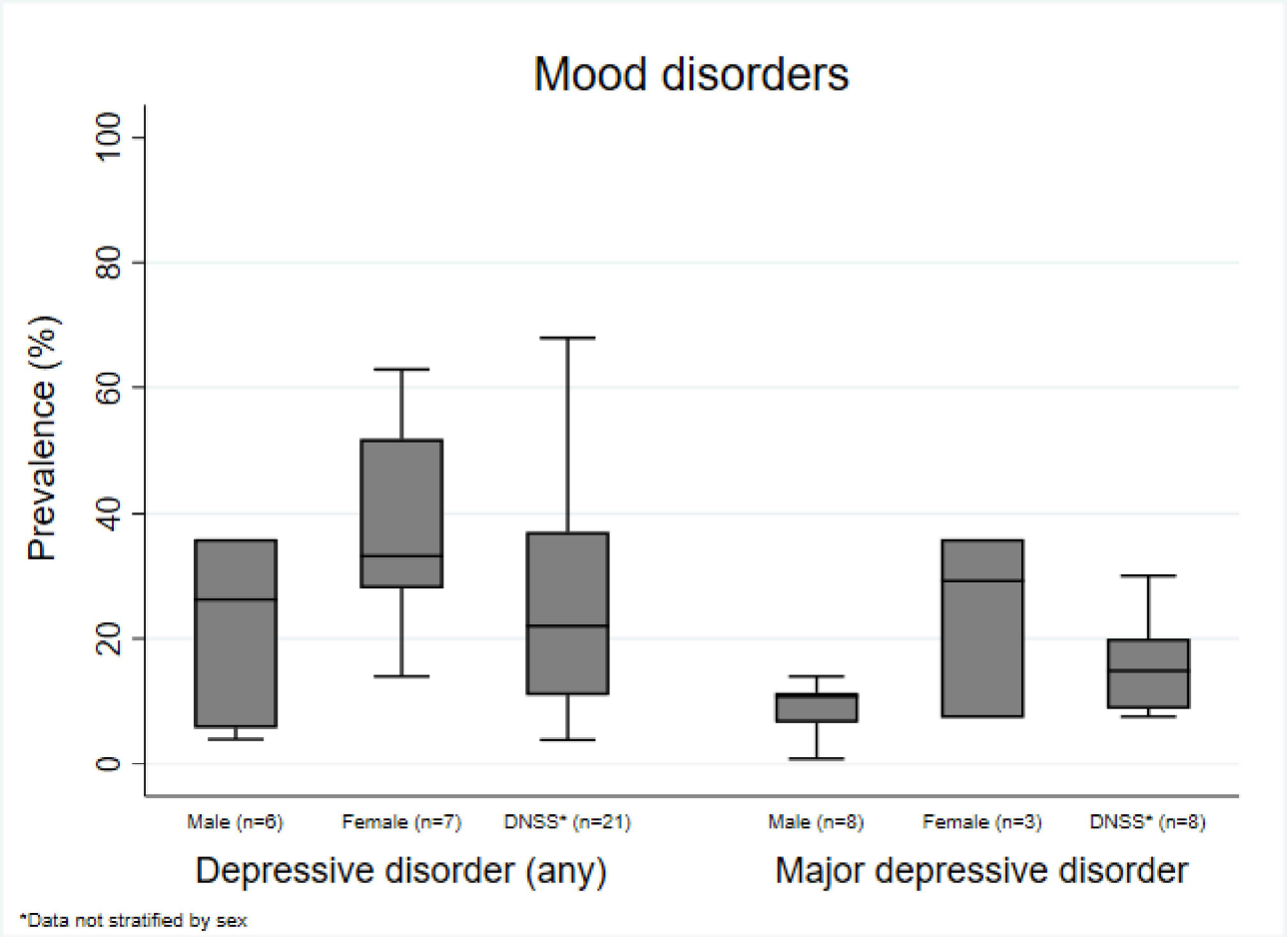
Figure 1. PRISMA flow chart of study selection



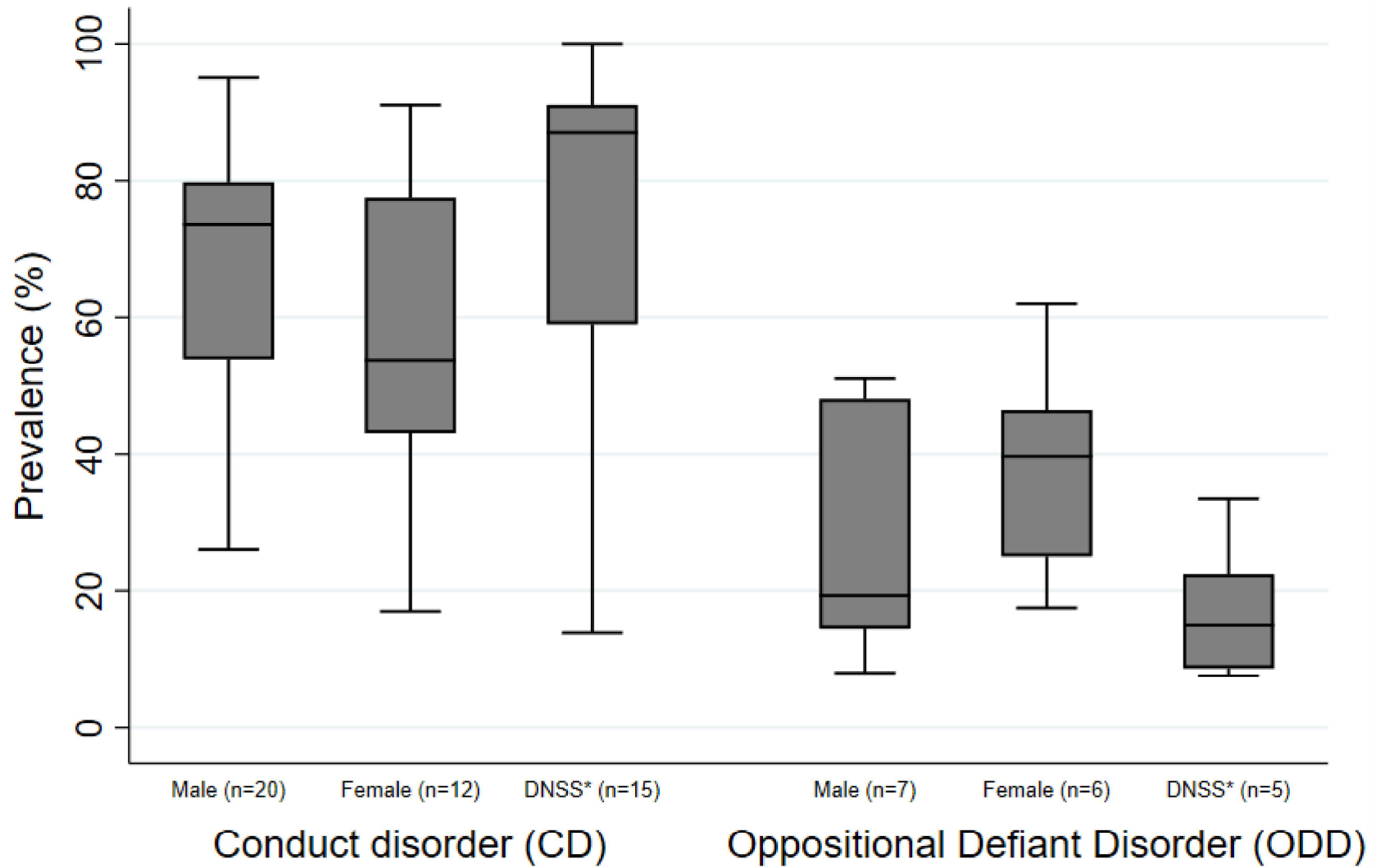
Anxiety disorders



*Data not stratified by sex

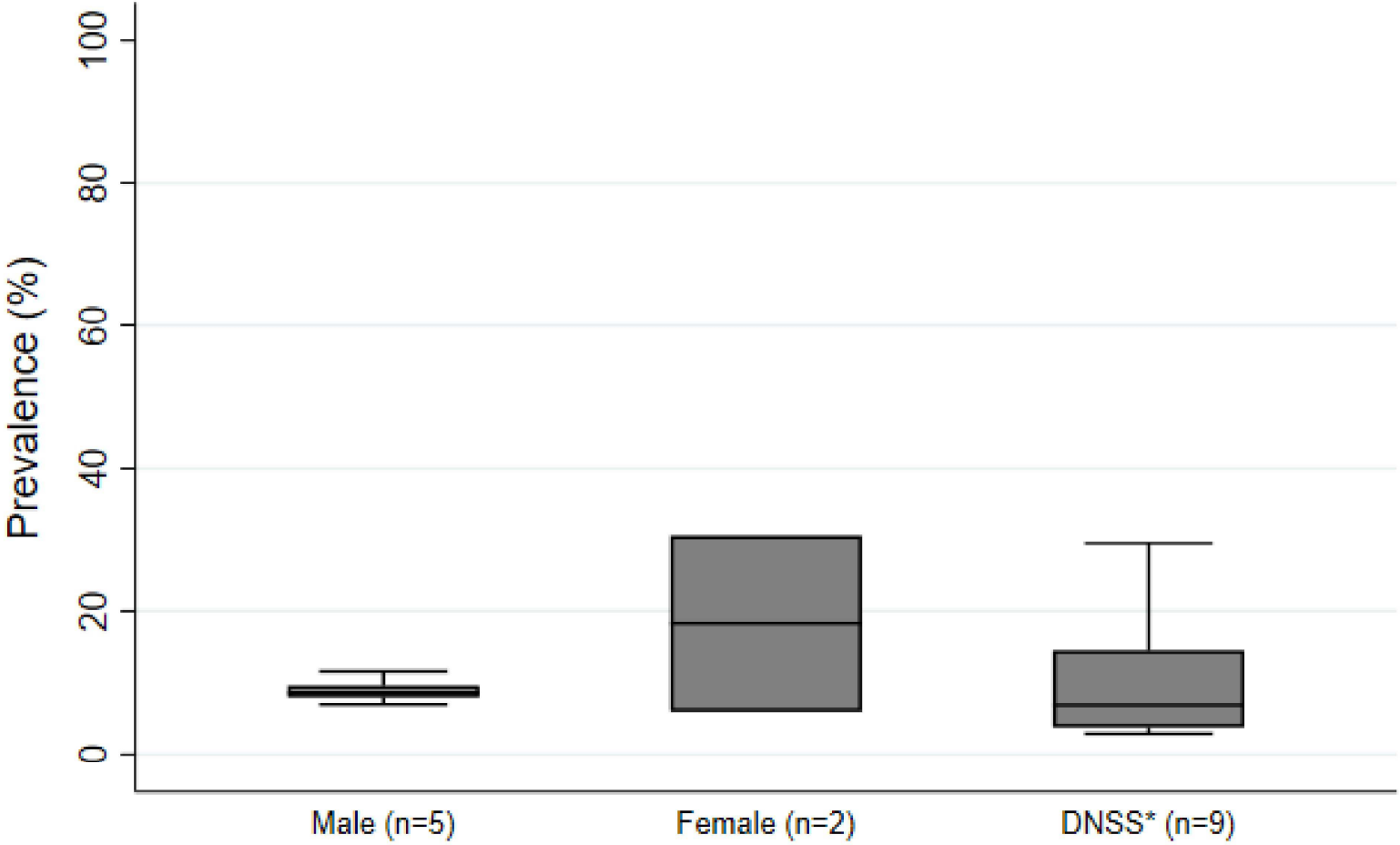


Behaviour disorders



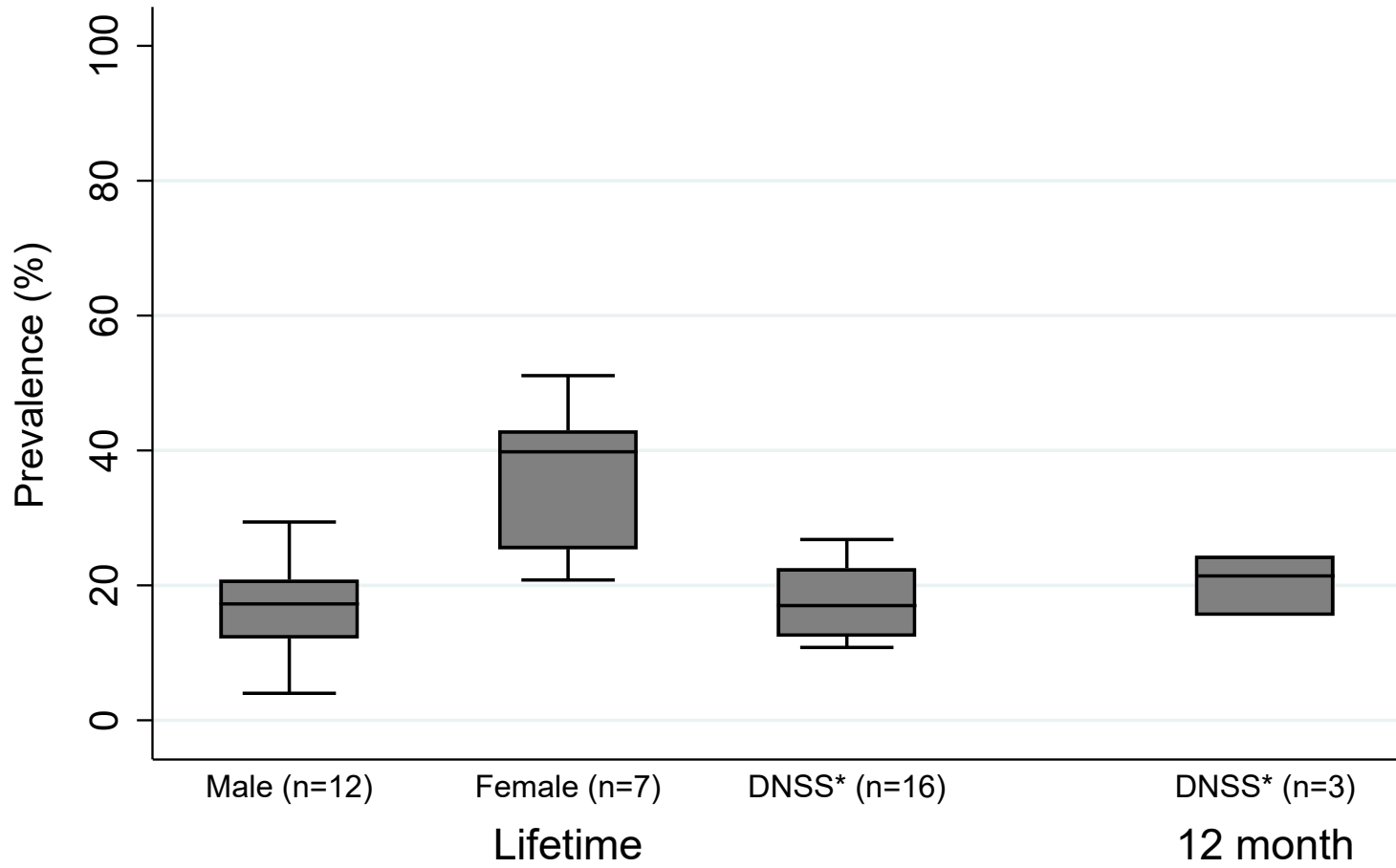
*Data not stratified by sex

Suicidal ideation



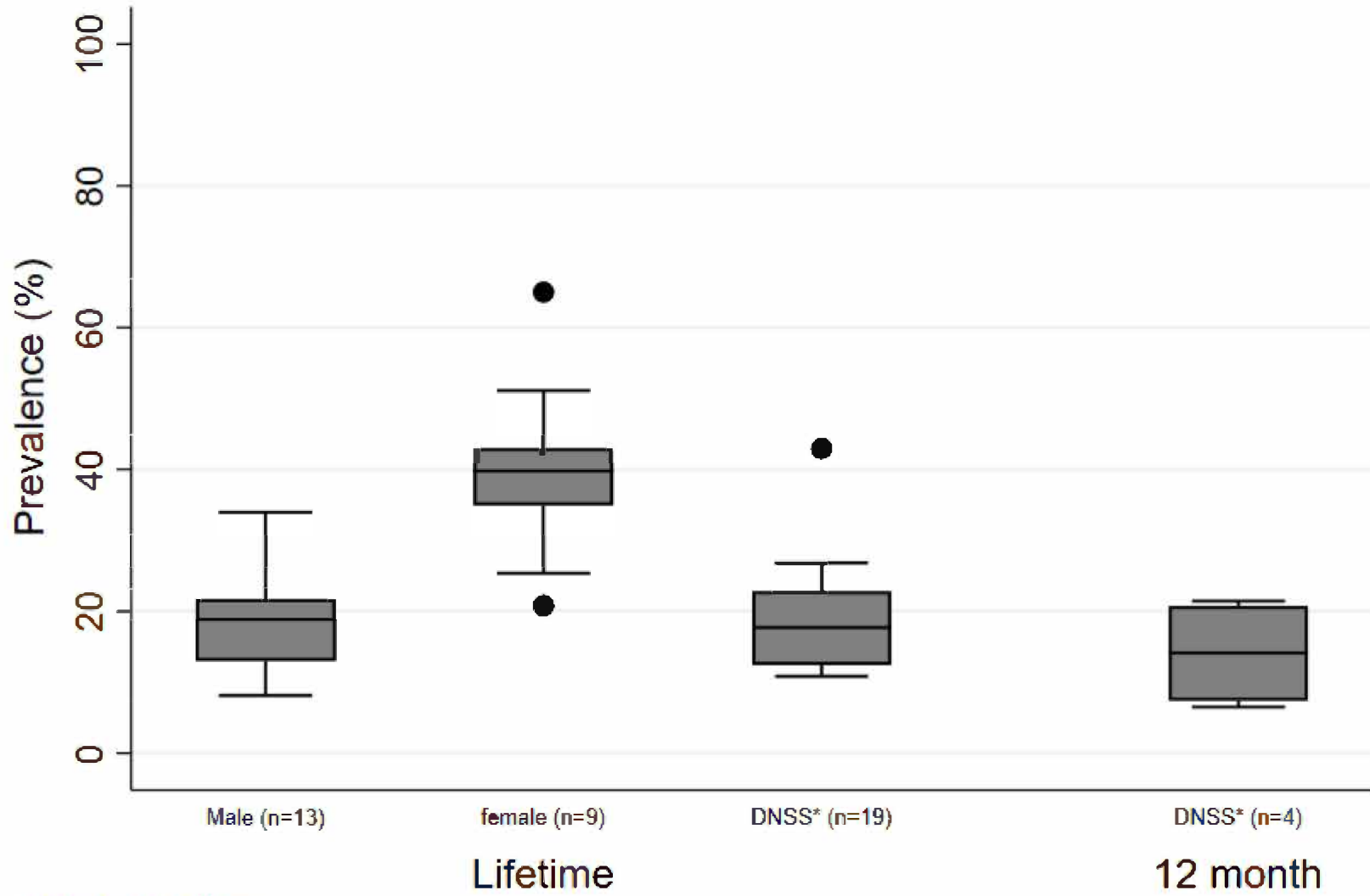
*Data not stratified by sex

Suicide attempt

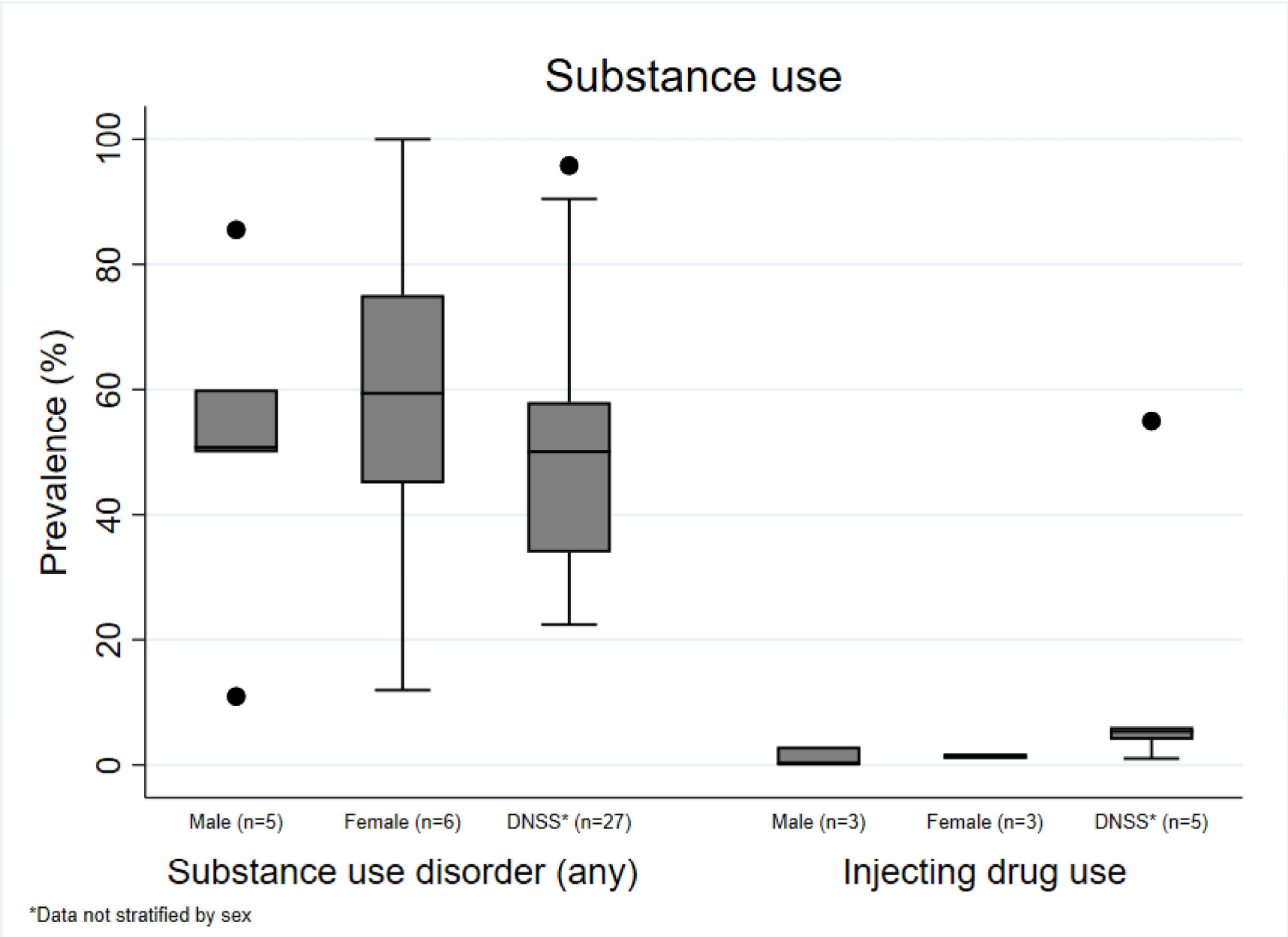


*Data not stratified by sex

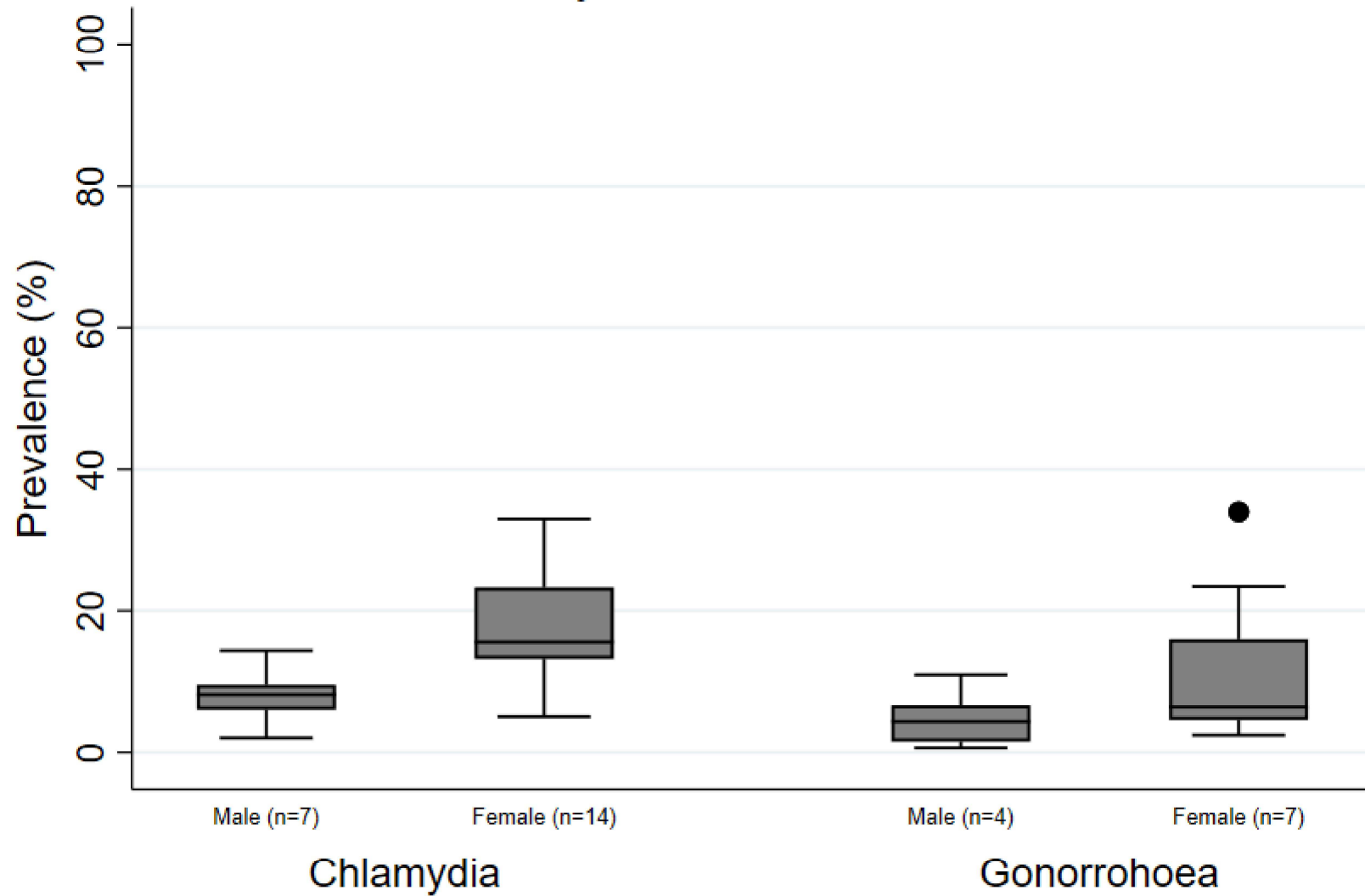
Self-harm



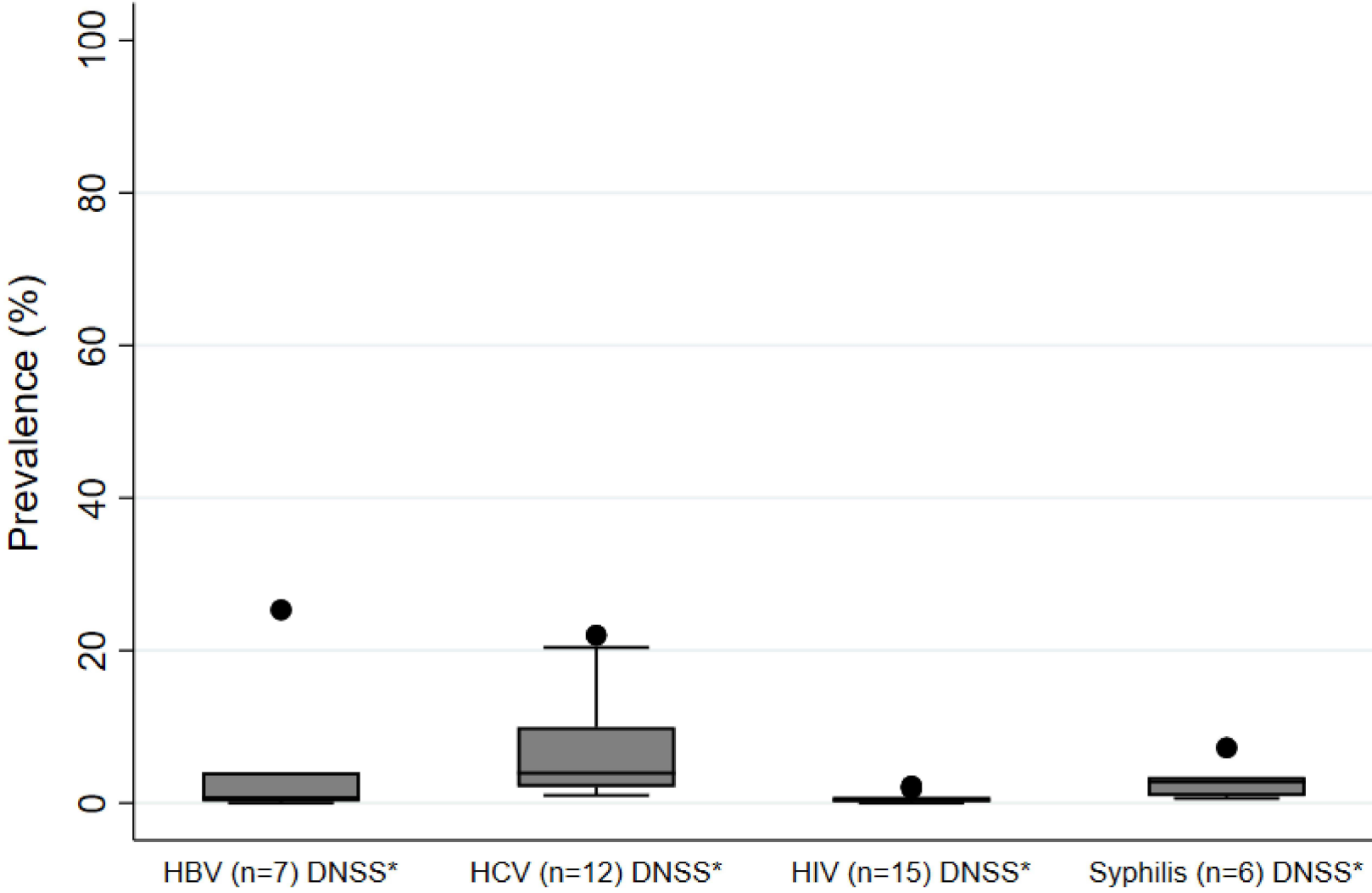
*Data not stratified by sex



Sexually transmitted infections



Infectious diseases



*Data not stratified by sex

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