

## Appendix 2 (as supplied by the authors): Supplementary Information

**Table A.** Risk of bias assessment for observational studies

Author, Last name	Year	SELECTION BIAS	PERFORMANCE BIAS		DETECTION BIAS		INFORMATION BIAS		Total (out of 21)
		Is the <b>source population</b> representative?	Is the <b>sample size</b> adequate and is there sufficient <b>power</b> ?	Did the study adjust for <b>confounders</b> ?	Did the study use appropriate <b>statistics</b> for outcome of interest?	Is there little <b>missing data</b> and was it handled appropriately?	Are the <b>methods or outcome measurements</b> explicitly stated and is it appropriate?	Is there an <b>objective assessment</b> of outcomes?	
Anglin	1987	2	1	1	2	1	1	1	9
Brown	1993	1	1	1	2	2	2	1	10
Camacho	1996	2	2	1	2	2	3	1	13
Chatham	1999	2	2	1	2	2	3	3	15
Grella	2012	1	2	1	1	1	2	1	9
Haug	2005	1	1	1	2	2	3	3	13
Hser	1990	2	2	1	2	2	1	0	10
Jimenez-Trevino	2011	1	1	1	2	0	2	1	8
Marsh	1986	1	1	1	1	2	1	0	7
Mulvaney	1999	2	2	1	2	2	2	2	13
Peles	2006	2	1	1	2	1	3	2	12
Rutherford	1997	1	1	1	2	1	2	0	8
Savage	1980	2	2	1	1	2	1	0	9
Schiff	2007	2	2	1	2	1	1	3	12
Schilling	1991	1	1	1	2	2	2	0	9
Steer	1980	2	1	2	3	2	2	0	12
Stenbacka	2003	2	2	1	2	1	3	3	14
Webber	1999	1	2	2	2	2	2	2	13

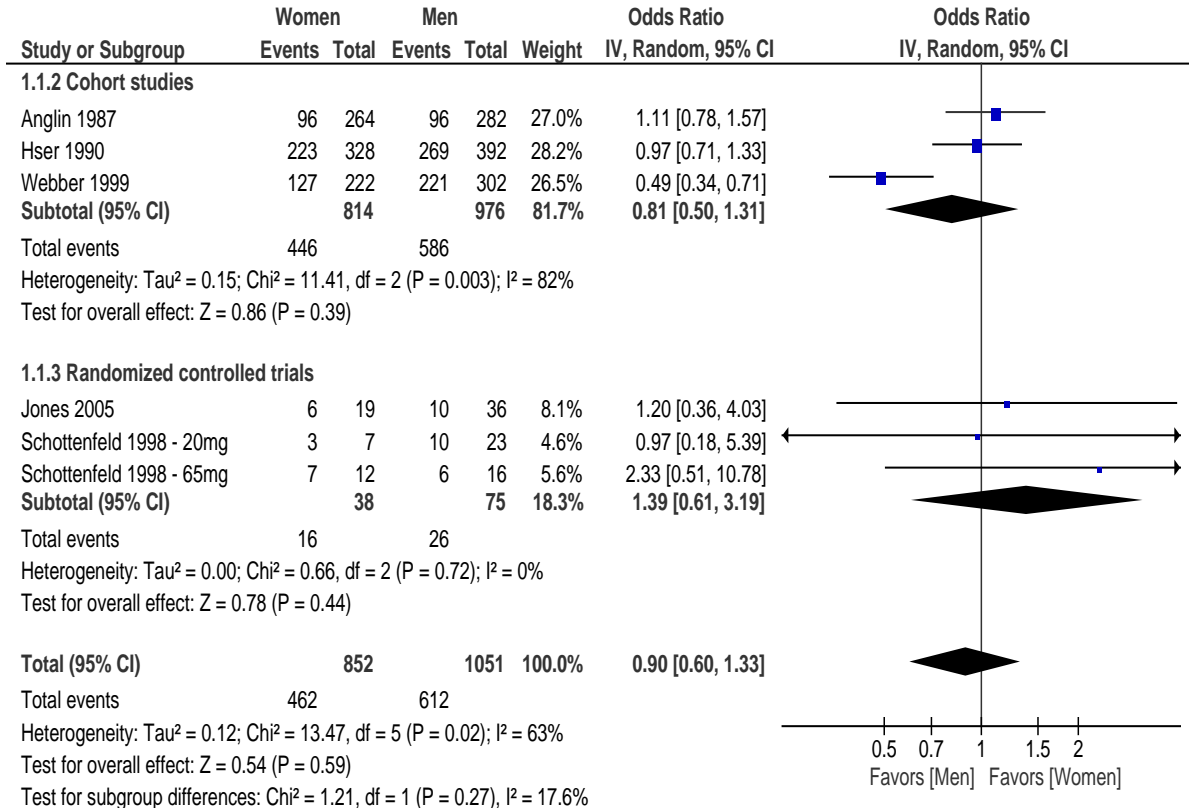
0 = Definitely no; 1 = Mostly no; 2 = Mostly yes; 3 = Definitely yes

**Table B.** Risk of bias assessment for RCTs

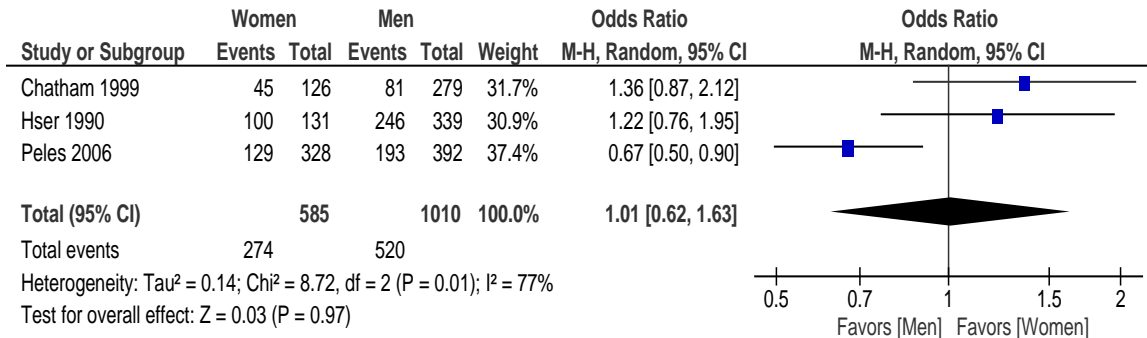
Author, Last name	Year	1. Was the <b>allocation sequence generated</b> adequately?	2. Was allocation <b>concealed</b> adequately?	3. Was <b>knowledge of intervention</b> adequately prevented?	4. Were <b>incomplete data</b> adequately addressed?	5. Are reports of the study free of <b>selective outcome reporting</b> ?	6. Was the study free of other problems that could put it at <b>high risk of bias</b> ?
Jones	2005	1	1	1	1	1	1
Schottenfeld	1998	1	1	1	1	1	1

1 = Low risk of bias

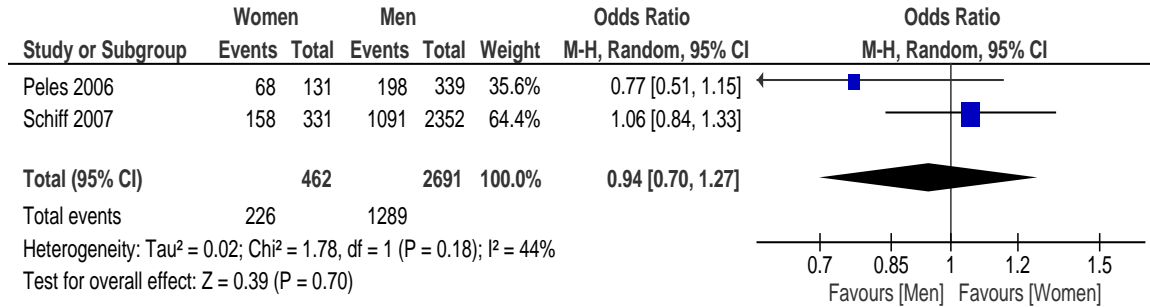
**Figure A.** Cohort and randomized controlled studies measuring illicit opioid use during treatment



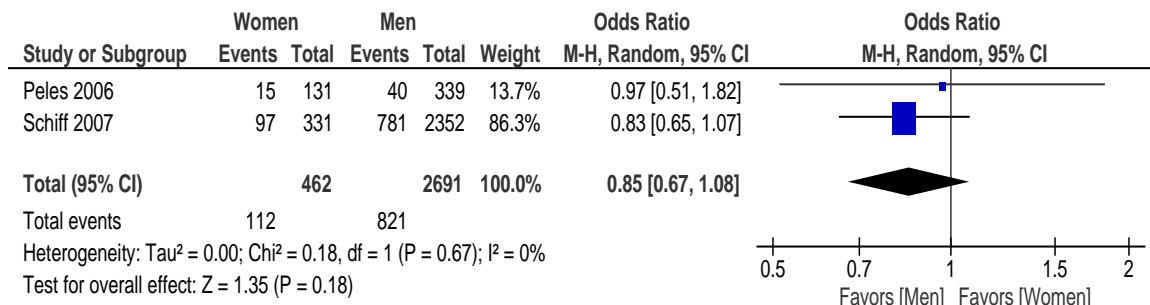
**Figure B.** Number of subjects with 12-20 months of treatment retention



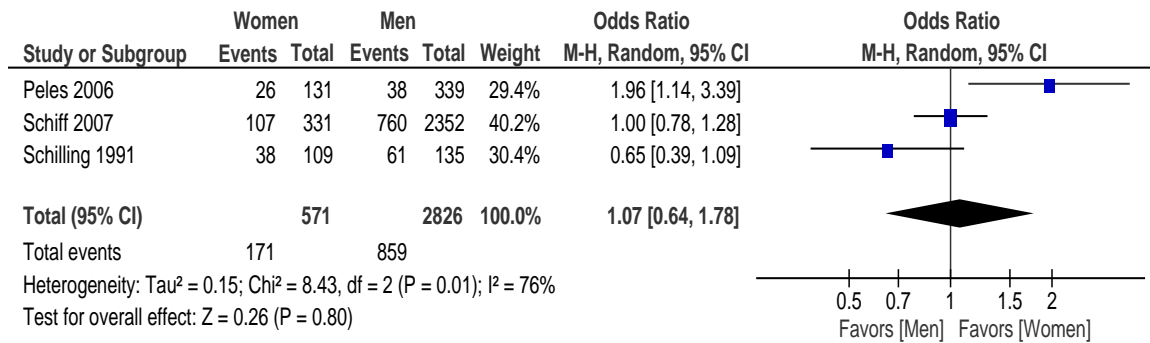
**Figure C. Benzodiazepine use over the last six months measured using urine toxicology**



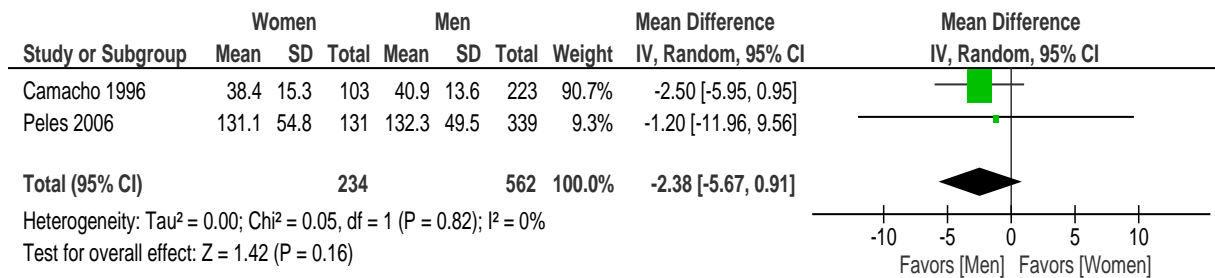
**Figure D. Cannabis use over the last six months measured using urine toxicology**



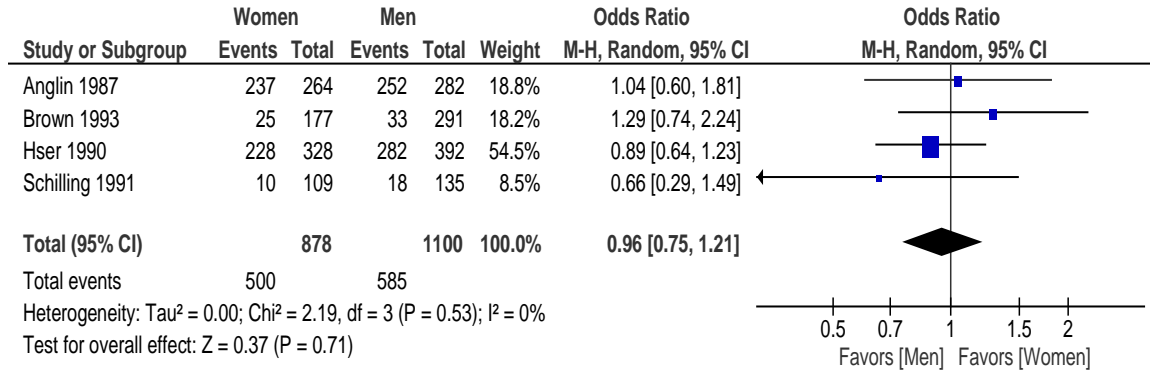
**Figure E. Cocaine use over the last six months measured using urine toxicology**



**Figure F. Mean methadone dose after 6-12 months in treatment (mg/day)**



**Figure G.** Number of subjects currently married or living with spouse



**Figure H.** Number of deaths reported at one year after treatment completion

