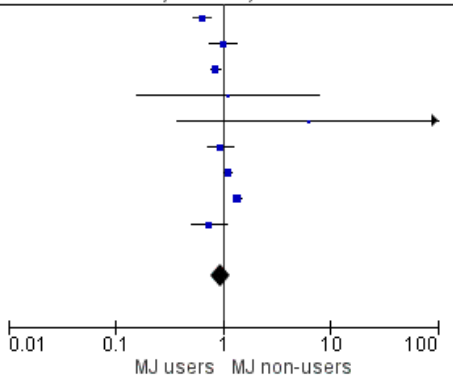
Maternal outcomes

A) Cesarean section

Study or Subgroup	MJ users Events	MJ users Total	MJ non-users Events	MJ non-users Total	Weight	Risk Ratio M-H, Random, 95% CI
Burns et al, 2006	91	2172	27140	412731	14.4%	0.64 [0.52, 0.78]
Conner et al, 2015	42	680	462	7458	12.2%	1.00 [0.73, 1.35]
Corsi et al, 2019	393	9427	31884	652190	16.1%	0.85 [0.77, 0.94]
Dunn et al, 2023	1	49	55	3037	1.0%	1.13 [0.16, 7.98]
Leemaqz et al, 2016	10	315	0	95	0.5%	6.38 [0.38, 107.87]
Luke et al, 2019	51	5801	2214	237339	12.8%	0.94 [0.71, 1.24]
Luke et al, 2022	445	20410	20153	1031360	16.2%	1.12 [1.02, 1.22]
Prewitt et al, 2023	474	9144	90013	2371302	16.2%	1.37 [1.25, 1.49]
Warshak et al, 2015	25	361	572	6107	10.5%	0.74 [0.50, 1.09]
Total (95% CI)		**48359**		**4721619**	**100.0%**	**0.95 [0.77, 1.17]**
Total events	1532		172493			

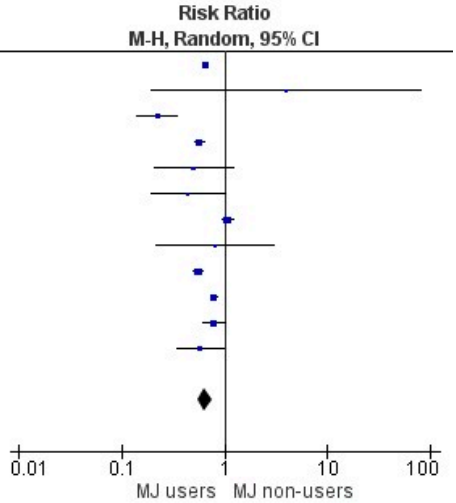
Heterogeneity: Tau² = 0.07; Chi² = 83.56, df = 8 (P < 0.00001); I² = 90%
Test for overall effect: Z = 0.49 (P = 0.62)



B) Gestational DM

Study or Subgroup	MJ users Events	MJ users Total	MJ non-users Events	MJ non-users Total	Weight	Risk Ratio M-H, Random, 95% CI
Avalos et al, 2023	1772	22624	41177	342300	14.6%	0.65 [0.62, 0.68]
Barros et al, 2006	0	26	2	534	0.3%	3.96 [0.20, 80.53]
Burns et al, 2006	19	2172	16266	412731	6.6%	0.22 [0.14, 0.35]
Corsi et al, 2019	398	9427	48159	652190	14.0%	0.57 [0.52, 0.63]
Dodge et al, 2023	6	109	19	171	2.5%	0.50 [0.20, 1.20]
Dunn et al, 2023	5	49	706	3037	2.8%	0.44 [0.19, 1.01]
Koto et al, 2022	198	3144	6085	103138	13.3%	1.07 [0.93, 1.22]
Leemaqz et al, 2016	8	315	3	95	1.3%	0.80 [0.22, 2.97]
Luke et al, 2019	296	5801	21737	237339	13.7%	0.56 [0.50, 0.62]
Luke et al, 2022	883	20410	56317	1031360	14.4%	0.79 [0.74, 0.85]
Straub et al, 2019	78	1268	318	4075	10.9%	0.79 [0.62, 1.00]
Warshak et al, 2015	14	361	407	6107	5.5%	0.58 [0.35, 0.98]
Total (95% CI)		**65706**		**2793077**	**100.0%**	**0.64 [0.55, 0.75]**
Total events	3677		191196			

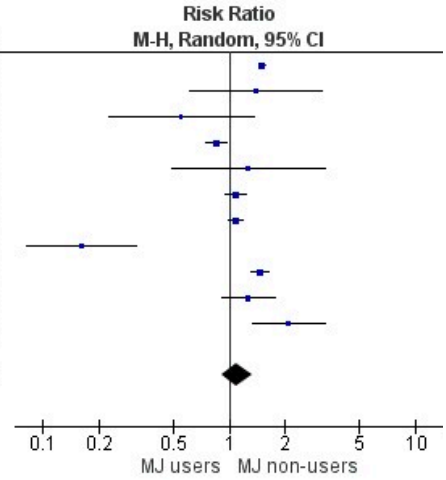
Heterogeneity: Tau² = 0.04; Chi² = 120.67, df = 11 (P < 0.00001); I² = 91%
Test for overall effect: Z = 5.59 (P < 0.00001)



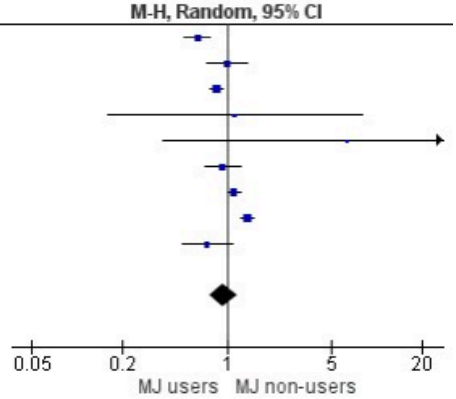
C) Gestational Hypertension

Study or Subgroup	MJ users Events	MJ users Total	MJ non-users Events	MJ non-users Total	Weight	Risk Ratio M-H, Random, 95% CI
Bandoli et al, 2021	2833	29112	197044	3037957	13.8%	1.50 [1.45, 1.55]
Barros et al, 2006	5	26	74	534	4.0%	1.39 [0.61, 3.14]
Dodge et al, 2023	6	109	17	171	3.5%	0.55 [0.23, 1.36]
Koto et al, 2022	211	3144	8148	103138	13.0%	0.85 [0.74, 0.97]
Leemaqz et al, 2016	21	315	5	95	3.2%	1.27 [0.49, 3.27]
Luke et al, 2019	211	5801	7958	237339	13.0%	1.08 [0.95, 1.24]
Luke et al, 2022	455	20410	21231	1031360	13.4%	1.08 [0.99, 1.19]
Metz et al, 2017	7	48	141	156	5.0%	0.16 [0.08, 0.32]
Prewitt et al, 2023	350	9144	62251	2371302	13.3%	1.46 [1.32, 1.62]
Rodriguez et al, 2019	37	211	138	995	9.8%	1.26 [0.91, 1.76]
Sasso et al, 2021	41	151	25	192	7.9%	2.09 [1.33, 3.27]
Total (95% CI)		**68471**		**6783239**	**100.0%**	**1.10 [0.91, 1.34]**
Total events	4177		297032			

Heterogeneity: Tau² = 0.07; Chi² = 161.21, df = 10 (P < 0.00001); I² = 94%
Test for overall effect: Z = 0.97 (P = 0.33)



D) Preeclampsia

Study or Subgroup	MJ users Events	MJ users Total	MJ non-users Events	MJ non-users Total	Weight	Risk Ratio M-H, Random, 95% CI
Burns et al, 2006	91	2172	27140	412731	14.4%	0.64 [0.52, 0.78]
Conner et al, 2015	42	680	462	7458	12.2%	1.00 [0.73, 1.35]
Corsi et al, 2019	393	9427	31884	652190	16.1%	0.85 [0.77, 0.94]
Dunn et al, 2023	1	49	55	3037	1.0%	1.13 [0.16, 7.98]
Leemaqz et al, 2016	10	315	0	95	0.5%	6.38 [0.38, 107.87]
Luke et al, 2019	51	5801	2214	237339	12.8%	0.94 [0.71, 1.24]
Luke et al, 2022	445	20410	20153	1031360	16.2%	1.12 [1.02, 1.22]
Prewitt et al, 2023	474	9144	90013	2371302	16.2%	1.37 [1.25, 1.49]
Warshak et al, 2015	25	361	572	6107	10.5%	0.74 [0.50, 1.09]
Total (95% CI)		**48359**		**4721619**	**100.0%**	**0.95 [0.77, 1.17]**
Total events	1532		172493			

Heterogeneity: Tau² = 0.07; Chi² = 83.56, df = 8 (P < 0.00001); I² = 90%
Test for overall effect: Z = 0.49 (P = 0.62)