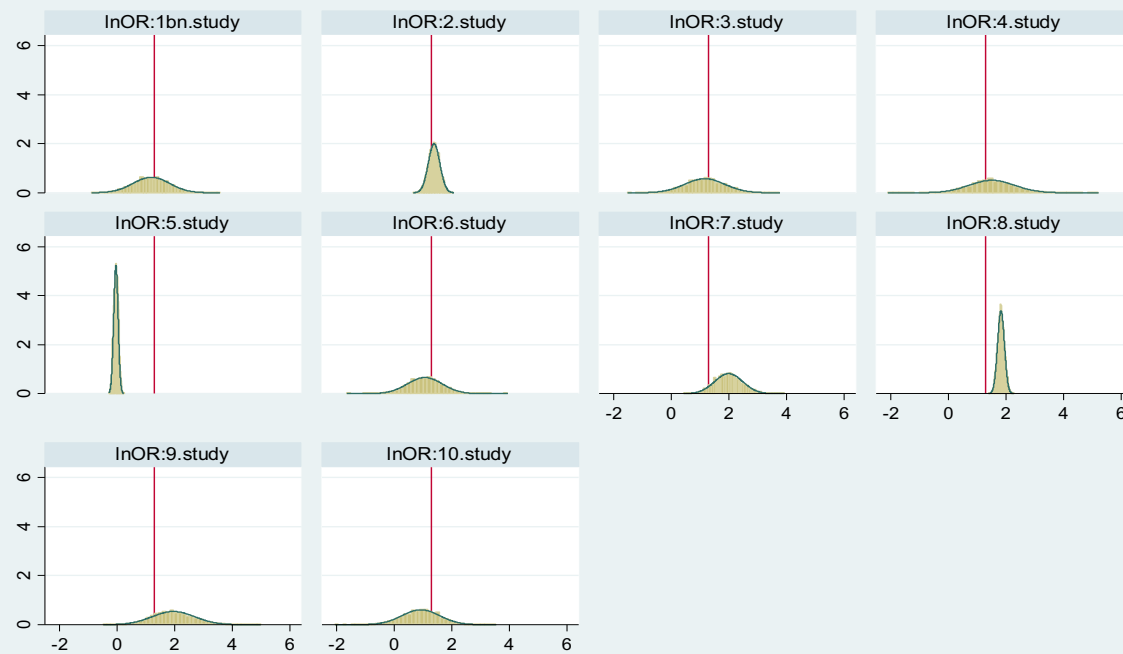


Supplementary file S5

S5 - Posterior Distributions of Study Effects



Graphs by parameter

Likelihood:

$\text{InOR} \sim \text{normal}(\text{xb_InOR}, \text{var})$

Prior:

$\{\text{InOR}:i.\text{study}\} \sim \text{normal}(\{\text{theta}\}, \{\text{tau2}\})$ (1)

Hyperpriors:

$\{\text{theta}\} \sim \text{normal}(0, 10000)$

$\{\text{tau2}\} \sim \text{igamma}(0.0001, 0.0001)$

(1) Parameters are elements of the linear form xb_InOR .

Bayesian normal regression MCMC iterations = 12,500

Metropolis-Hastings and Gibbs sampling Burn-in = 2,500

MCMC sample size = 10,000

Number of obs = 10

Acceptance rate = .5402

Efficiency: min = .156

avg = .2006

Log marginal likelihood = -26.153215

max = .2426

|

Equal-tailed

		Mean	Std. Dev.	MCSE	Median	[95% Cred. Interval]
InOR						
study						
1		1.192737	.6327353	.015066	1.186833	-.0428008 2.411614
2		1.389552	.1994519	.0042	1.389198	.9962907 1.774697
3		1.165465	.6976248	.015187	1.182438	-.2674739 2.501548
4		1.516207	.7883124	.018095	1.473986	.036796 3.153537
5		-.0367725	.076456	.001623	-.0375647	-.1814822 .1136887
6		1.068506	.6032961	.013948	1.079341	-.1425529 2.248443
7		1.996834	.4860458	.012307	1.987062	1.10303 2.985697
8		1.831303	.1179761	.00245	1.826974	1.604804 2.07069
9		1.961665	.7391958	.018141	1.916255	.6173473 3.535067
10		.9271861	.6561724	.015664	.9418602	-.3942473 2.192213
theta		1.302338	.3597746	.007606	1.29518	.6154553 2.050228
tau2		.8420487	.678846	.013783	.6607311	.2132685 2.574563

Posterior summary statistics MCMC sample size = 10,000

OR : $\exp(\{\theta\})$

		Mean	Std. Dev.	MCSE	Median	[95% Cred. Interval]	
OR		3.929741	1.542421	.031477	3.651652	1.850499 7.769677	<--- pooled OR