Figure S1. Sensitivity analysis : Pooled effect of the NMCR on maternal mortality in studies with at least 300 cases and 30 events

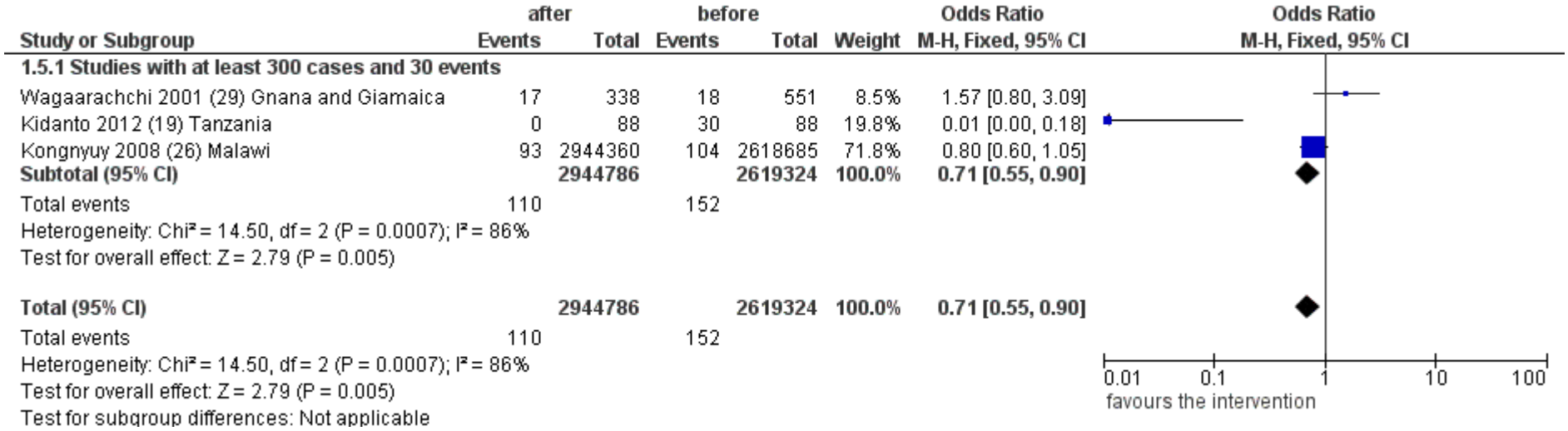

Figure S2. Sensitivity analysis : Pooled effect of the NMCR on perinatal mortality in studies with at least 300 cases and 30 events

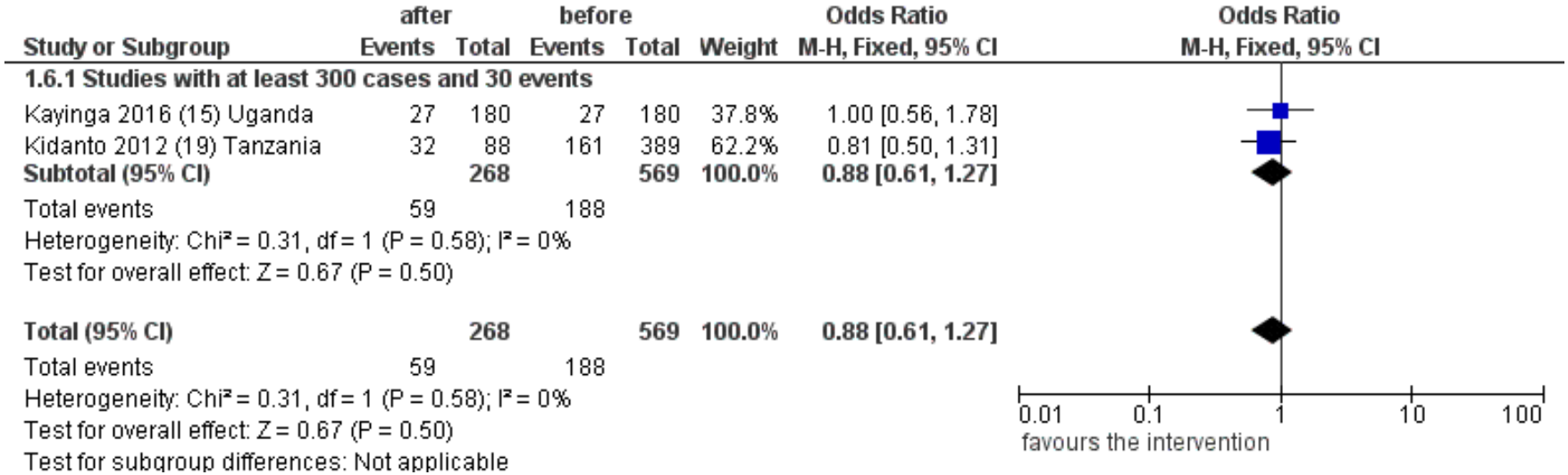

Figure S3. Subgroup analysis : Pooled effect of the NMCR audit on maternal mortality by country income

Study or Subgroup	after Events	after Total	before Events	before Total	Weight	Odds Ratio M-H, Fixed, 95% CI
1.3.1 Studies in low income countries						
Hunyinbo 2008 (25) Nigeria	2	65	2	65	1.3%	1.00 [0.14, 7.32]
Kongnyuy 2008 (27) Malawi	2	62	3	60	1.9%	0.63 [0.10, 3.93]
Weeks 2005 (28) Uganda	0	43	4	43	2.9%	0.10 [0.01, 1.93]
Van den Akker 2011 (22) Malawi	4	5241	6	2995	5.0%	0.38 [0.11, 1.35]
Kidanto 2012 (19) Tanzania	0	88	30	389	7.4%	0.07 [0.00, 1.10]
Wagaarachchi 2001 (29) Gnana and Giamaica	17	338	18	551	8.6%	1.57 [0.80, 3.09]
Kongnyuy 2008 (26) Malawi	93	2944360	104	2618685	72.5%	0.80 [0.60, 1.05]
Subtotal (95% CI)		**2950197**		**2622788**	**99.6%**	**0.77 [0.60, 0.98]**
Total events	118		167			
Heterogeneity: Chi² = 10.38, df = 6 (P = 0.11); I² = 42%						
Test for overall effect: Z = 2.16 (P = 0.03)						
1.3.2 Studies in upper middle income countries						
Mohd Azri 2015 (16) Malaysia	1	9	2	49	0.4%	2.94 [0.24, 36.32]
Subtotal (95% CI)		**9**		**49**	**0.4%**	**2.94 [0.24, 36.32]**
Total events	1		2			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.84 (P = 0.40)						
Total (95% CI)		**2950206**		**2622837**	**100.0%**	**0.77 [0.61, 0.98]**
Total events	119		169			
Heterogeneity: Chi² = 11.39, df = 7 (P = 0.12); I² = 39%						
Test for overall effect: Z = 2.09 (P = 0.04)						
Test for subgroup differences: Chi² = 1.09, df = 1 (P = 0.30), I² = 8.1%						

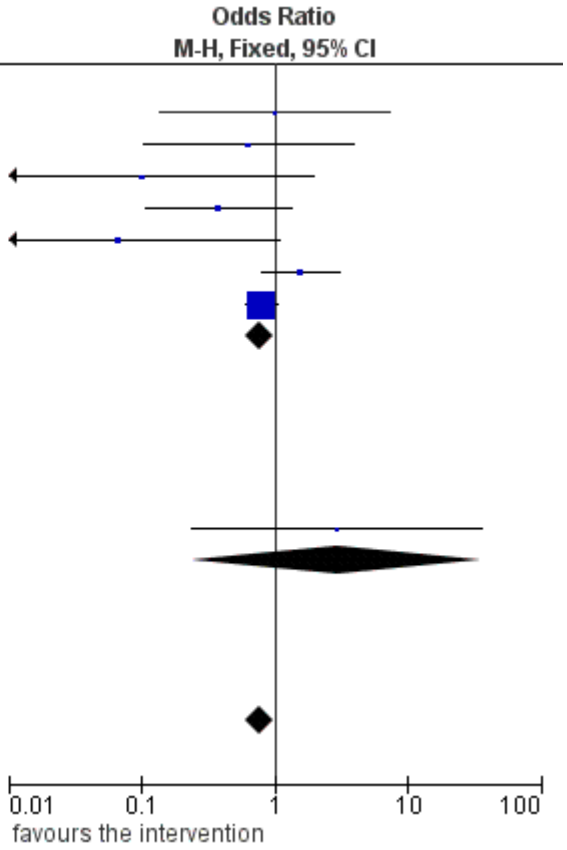

Figure S4. Subgroup analysis : Pooled effect of the NMCR on perinatal mortality by country income

Study or Subgroup	after Events	after Total	before Events	before Total	Weight	Odds Ratio M-H, Fixed, 95% CI
1.4.1 Studies in low income countries						
Kongnyuy 2008 (27) Malawi	3	62	5	60	7.3%	0.56 [0.13, 2.45]
Kayinga 2016 (15) Uganda	27	180	27	180	34.6%	1.00 [0.56, 1.78]
Kidanto 2012 (19) Tanzania	32	88	161	389	56.9%	0.81 [0.50, 1.31]
Subtotal (95% CI)		**330**		**629**	**98.8%**	**0.86 [0.60, 1.23]**
Total events	62		193			
Heterogeneity: Chi² = 0.65, df = 2 (P = 0.72); I² = 0%						
Test for overall effect: Z = 0.84 (P = 0.40)						
1.4.2 Studies in upper middle income countries						
Mohd Azri 2015 (16) Malaysia	3	9	4	49	1.2%	5.63 [1.00, 31.49]
Subtotal (95% CI)		**9**		**49**	**1.2%**	**5.63 [1.00, 31.49]**
Total events	3		4			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.97 (P = 0.05)						
Total (95% CI)		**339**		**678**	**100.0%**	**0.92 [0.65, 1.30]**
Total events	65		197			
Heterogeneity: Chi² = 5.04, df = 3 (P = 0.17); I² = 40%						
Test for overall effect: Z = 0.49 (P = 0.63)						
Test for subgroup differences: Chi² = 4.39, df = 1 (P = 0.04), I² = 77.2%						

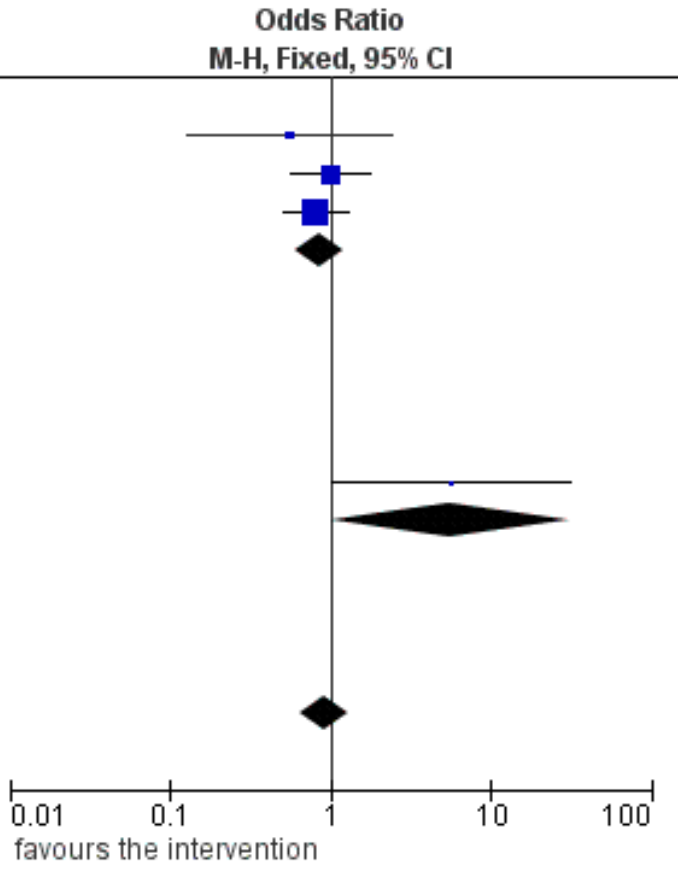

Figure S5. Funnel plot: effect of the NMCR on maternal mortality

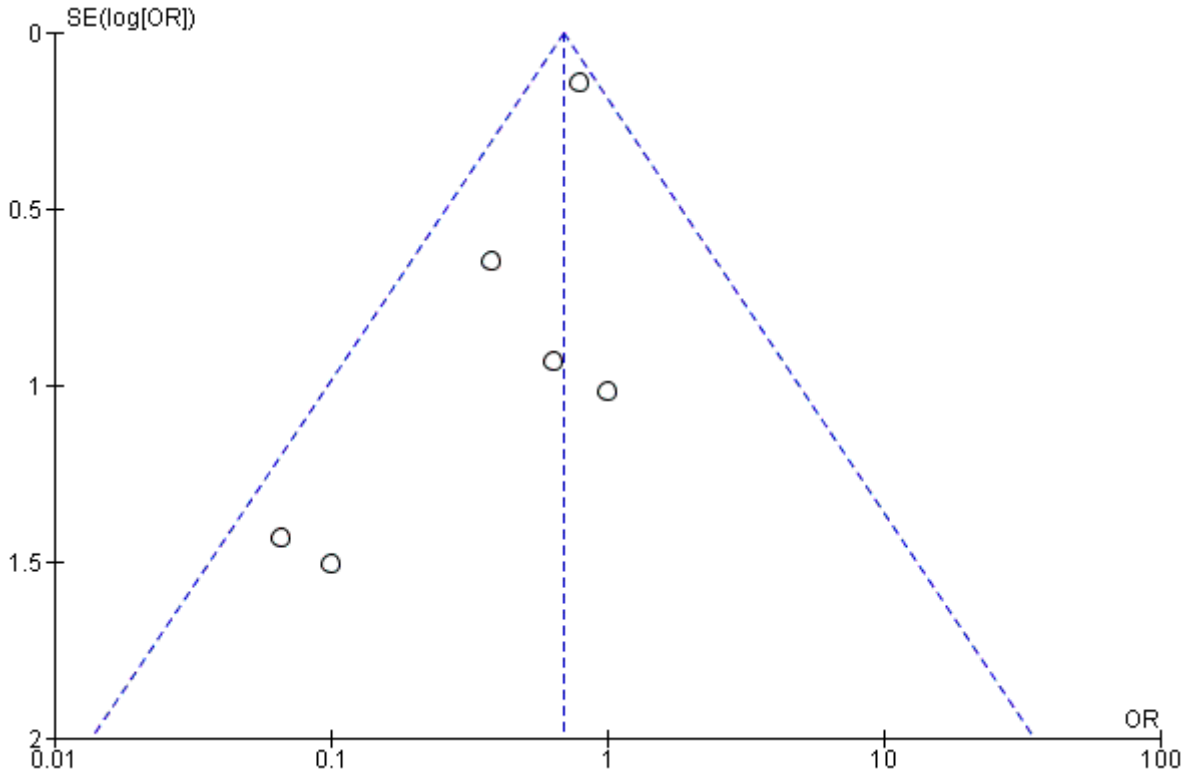
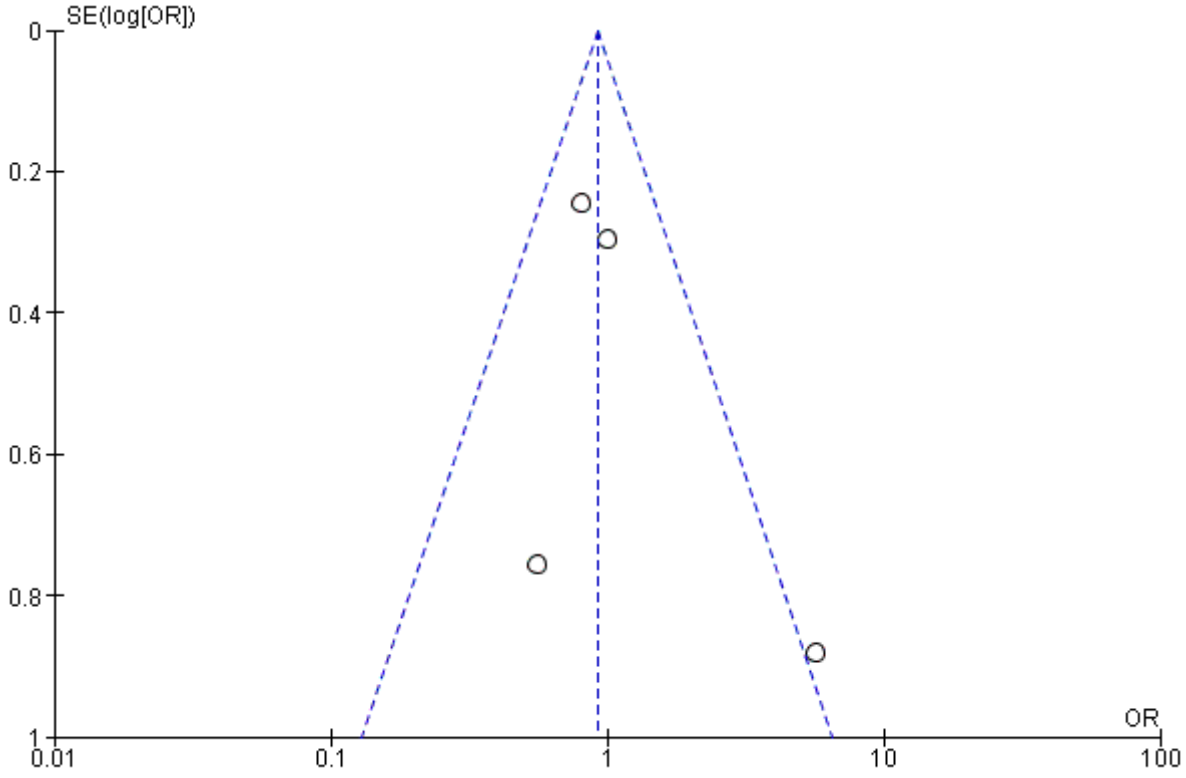
Figure S6. Funnel plot: effect of the NMCR on perinatal mortality