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

	after		before			Odds Ratio	Odds Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed	I, 95% CI	
1.5.1 Studies with at least 300 cases and 30 eve	ents								
Wagaarachchi 2001 (29) Gnana and Giamaica	17	338	18	551	8.5%	1.57 [0.80, 3.09]	+	•	
Kidanto 2012 (19) Tanzania	0	88	30	88	19.8%	0.01 [0.00, 0.18]			
Kongnyuy 2008 (26) Malawi	93	2944360	104	2618685	71.8%	0.80 [0.60, 1.05]	=		
Subtotal (95% CI)		2944786		2619324	100.0%	0.71 [0.55, 0.90]	◆		
Total events	110		152						
Heterogeneity: Chi² = 14.50, df = 2 (P = 0.0007); l²	= 86%								
Test for overall effect: Z = 2.79 (P = 0.005)									
Total (95% CI)		2944786		2619324	100.0%	0.71 [0.55, 0.90]	•		
Total events	110		152						
Heterogeneity: Chi² = 14.50, df = 2 (P = 0.0007); l²	= 86%						0.01 0.1 1	10	400
Test for overall effect: $Z = 2.79$ (P = 0.005)							favours the intervention	10	100
Test for subgroup differences: Not applicable							iavours the intervention		

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

	afte	Г	befor	e		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
1.6.1 Studies with at least 30	0 cases a	nd 30	events				
Kayinga 2016 (15) Uganda	27	180	27	180	37.8%	1.00 [0.56, 1.78]	-
Kidanto 2012 (19) Tanzania	32	88	161	389	62.2%	0.81 [0.50, 1.31]	
Subtotal (95% CI)		268		569	100.0%	0.88 [0.61, 1.27]	•
Total events	59		188				
Heterogeneity: Chi² = 0.31, df	= 1 (P = 0)	.58); l²:	= 0%				
Test for overall effect: Z = 0.67	(P = 0.50)					
Total (95% CI)		268		569	100.0%	0.88 [0.61, 1.27]	•
Total events	59		188				
Heterogeneity: Chi² = 0.31, df	= 1 (P = 0	.58); l²:	= 0%				0.01 0.1 1 10 100
Test for overall effect: Z = 0.67	(P = 0.50))					0.01 0.1 1 10 100 favours the intervention
Test for subgroup differences	: Not appl	icable					lavours the intervention

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

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	af	ter	bet	fore		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	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: $Chi^2 = 10.38$, $df = 6$ (P = 0.11); $I^2 = 4$	12%						
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: Chi ² = 11.39, df = 7 (P = 0.12); I^2 = 3							
Test for overall effect: Z = 2.09 (P = 0.04)							0.01 0.1 1 10 10 favours the intervention
Test for subgroup differences: $Chi^2 = 1.09$, $df = 1$ (P = 0.30), I ^z = 8.1%					lavours the intervention

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

	afte	г	befor	e		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
1.4.1 Studies in low income co	untries						
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 Subtotal (95% CI)	32	88 330	161	389 629	56.9% 98.8 %	0.81 [0.50, 1.31] 0.86 [0.60, 1.23]	-
Total events	62		193				
Heterogeneity: $Chi^2 = 0.65$, $df = Test for overall effect: Z = 0.84 ($		'2); l ² =	0%				
1.4.2 Studies in upper middle i	ncome co	ountrie	s				
Mohd Azri 2015 (16) Malaysia Subtotal (95% CI)	3	9 9	4	49 49	1.2% 1.2 %	5.63 [1.00, 31.49] 5.63 [1.00, 31.49]	
Total events Heterogeneity: Not applicable Test for overall effect: Z = 1.97 (3 P = 0.05)		4				
Total (95% CI)		339		678	100.0%	0.92 [0.65, 1.30]	*
Total events	65		197				
Heterogeneity: Chi ² = 5.04, df = Test for overall effect: Z = 0.49 (Test for subgroup differences:	P = 0.63)			4\ IZ-	77 1W		0.01 0.1 1 10 100 favours the intervention

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

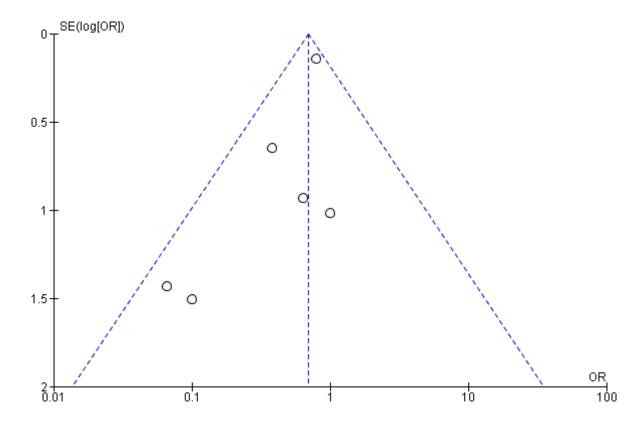


Figure S6. Funnel plot: effect of the NMCR on perinatal mortality

