## 1 Intravenous fluids + oral intake versus oral intake alone

## 1.1 Mean duration of labour

	iv fluids	+ oral in	take	oral in	take al	one		Mean Difference	Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% C		
Direkvand-Moghadam 2012 (1)	225.23	41.42	78	252.3	40.9	22	91.5%	-27.07 [-46.48, -7.66]			
Kavitha 2012 (2)	343	171	72	391	211	69	8.5%	-48.00 [-111.55, 15.55]	<del></del>		
Total (95% CI)			150			91	100.0%	-28.86 [-47.41, -10.30]	<b>•</b>		
Heterogeneity: Chi <sup>2</sup> = 0.38, df = 1	,	; I <sup>2</sup> = 0%							-200 -100 0 10		
Test for overall effect: Z = 3.05 (F	P = 0.002								iv fluids + oral intake oral int		

Footnotes

- (1) Duration of active 1st stage (all IV doses combined)
- (2) Not clear that reported duration was for vaginal deliveries only

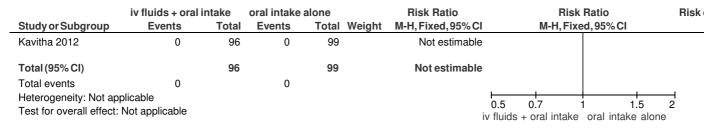
## 1.2 Caesarean section

	iv fluids + oral i	ntake	oral intake	alone	Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I M-H, Fixed, 95% CI
Direkvand-Moghadam 2012	12	90	8	30	28.9%	0.50 [0.23, 1.11]	] —
Kavitha 2012	24	96	30	99	71.1%	0.82 [0.52, 1.30]	j <del>-  </del>
Total (95% CI)		186		129	100.0%	0.73 [0.49, 1.08]	•
Total events	36		38				
Heterogeneity: Chi <sup>2</sup> = 1.15, df	= 1 (P = 0.28); I <sup>2</sup> =	= 13%					0.01 0.1 1 10 1
Test for overall effect: $Z = 1.56$	6 (P = 0.12)						iv fluids + oral intake oral intake alone

# Risk of bias legend 1.3 Assisted delivery

iv fluids + oral intake oral intake alone **Risk Ratio Risk Ratio** Risk Study or Subgroup **Events Total Events Total Weight** M-H, Fixed, 95% CI M-H, Fixed, 95% CI Total (95% CI) 0 0 Not estimable Total events 0 0 Heterogeneity: Not applicable 0.1 10 Test for overall effect: Not applicable iv fluids + oral intake oral intake alone

#### Risk of bias legend 1.4 Fluid overload



Risk of bias legend

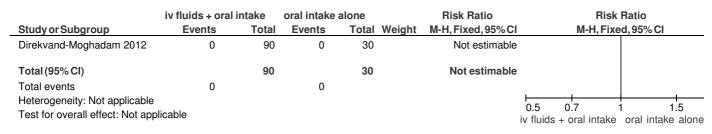
## Intravenous fluids for reducing the duration of labour in low risk nulliparous women..17-Sep-2014

## 1.5 Admission to neonatal unit

	iv fluids + oral ir	ntake	oral intake	alone	Risk Ratio		Risk Ratio	Risk
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI	
Kavitha 2012	1	96	2	99	100.0%	0.52 [0.05, 5.59]		
Total (95% CI)		96		99	100.0%	0.52 [0.05, 5.59]		
Total events	1		2					
Heterogeneity: Not ap	plicable							100
Test for overall effect:	Z = 0.54 (P = 0.59)	)					0.01 0.1 1 10 iv fluids + oral intake oral intake a	

Risk of bias legend

## 1.6 Low Apgar scores (< 7 at 5 mins)



Risk of bias legend

## 1.7 Cord pH < 7.0

	iv fluids + oral	intake	oral intake	alone	Risk Ratio	Risk Ratio Risk
Study or Subgroup	Events Total		Events Total		eight M-H, Fixed, 95% (	CI M-H, Fixed, 95% CI
Total (95% CI)		0		0	Not estimab	ole
Total events	0		0			
Heterogeneity: Not ap Test for overall effect:	•					0.01 0.1 1 10 100 iv fluids + oral intake oral intake alone

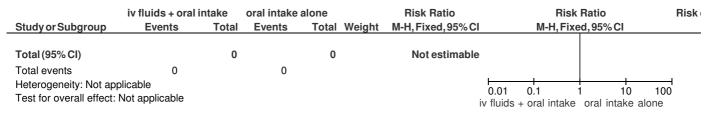
Risk of bias legend

## 1.8 Newborn weight loss (first 72 hours)

	iv fluids + oral	intake	oral intake	alone		Risk Ratio	Risk	Ratio	Ris
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fix	ed, 95% CI	
Total (95% CI)		0		0		Not estimable	e		
Total events	0		0						
Heterogeneity: Not ap Test for overall effect:							0.01 0.1 iv fluids + oral intake	1 10 oral intake a	100 alone

Risk of bias legend

## 1.9 Maternal hyponatraemia (sodium level < 135 mmol/L)



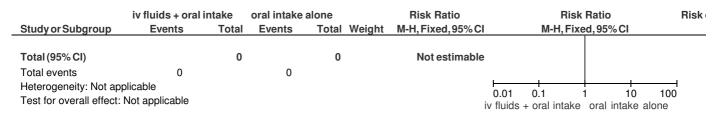
## Intravenous fluids for reducing the duration of labour in low risk nulliparous women..17-Sep-2014

## 1.10 Subjective feelings of thirst

	iv fluids + oral i	intake	oral intake	alone	Risk Ratio	Risk	
Study or Subgroup	Events	Total	Events	Total Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI	
Total (95% CI)		0		0	Not estimable		
Total events	0		0				
Heterogeneity: Not ap	plicable					0.01 0.1 1 10	100
Test for overall effect:	Not applicable					iv fluids + oral intake oral intake	

#### Risk of bias legend

## 1.11 Maternal comfort/satisfaction



## Risk of bias legend

## 1.12 Neonatal hyponatraemia (cord sodium level < 135 mmol/L)

iv fluids +		oral int	ake	oral intake alone				Mean Difference		Mean Difference			Ris
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% C	:	IV,	Fixed, 95	% CI	
Total (95% CI)			0			0		Not estimable	9				
Heterogeneity: Not ap Test for overall effect:	•	le							-100 iv fluids	-50 + oral in	0 take ora	50 I intake a	100 alone

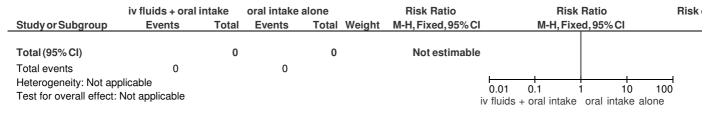
## Risk of bias legend

## 1.13 Neonatal hypoglycaemia

	iv fluids + oral	intake	oral intake	alone	Risk Ratio	Risk Ratio	Risk
Study or Subgroup	Events	Total	Events	Total Weight	M-H, Fixed, 95% C	I M-H, Fixed, 95% CI	
Total (95% CI)		0		0	Not estimable		
Total events	0		0				
Heterogeneity: Not ap Test for overall effect:	•					0.01 0.1 1 10 1 iv fluids + oral intake oral intake alon	00 e

## Risk of bias legend

## 1.14 Fetal hyperbilirubinaemia



# Intravenous fluids for reducing the duration of labour in low risk nulliparous women..17-Sep-2014

## 1.15 Oxytocin augmentation

	iv fluids + oral i	intake	oral intake	alone	Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	CI M-H, Random, 95% CI
Direkvand-Moghadam 2012	25	90	16	30	44.3%	0.52 [0.32, 0.84	4] —
Kavitha 2012	63	194	37	99	55.7%	0.87 [0.63, 1.20	oj 🔫
Total (95% CI)		284		129	100.0%	0.69 [0.42, 1.14	1]
Total events	88		53				
Heterogeneity: $Tau^2 = 0.09$ ; C Test for overall effect: $Z = 1.44$		P = 0.08)	); I <sup>2</sup> = 68%				0.01 0.1 1 10  Favours [experimental] Favours [cor