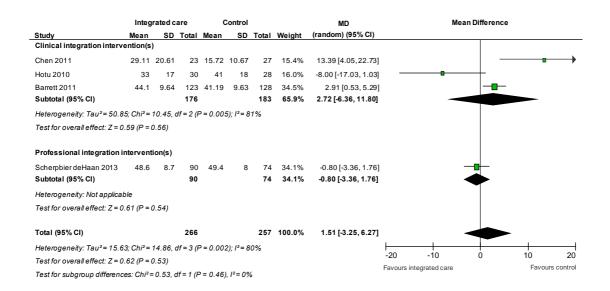
#### RR Risk Ratio Integrated care Control Study Events Total Events Total Weight (random) (95% CI) (random) (95% CI) Weisbord 2013 4 100 2 120 6.7% 2.40 [0.45, 12.83] -Chen 2011 4 23 5 21 13.8% 0.73 [0.23, 2.36] Weber 2012 22 70 22 69 79.5% 0.99 [0.60, 1.61] Total (95% CI) 1.00 [0.65, 1.55] 193 210 100.0% Total events 30 29 Heterogeneity: Tau<sup>2</sup> = 0.00; Chi<sup>2</sup> = 1.33, df = 2 (P = 0.52); I<sup>2</sup> = 0% 0.1 0.2 0.5 2 10 5 Test for overall effect: Z = 0.02 (P = 0.98) Favours integrated care Favours control

#### Supplemental Figure 1. Effect integrated care on renal replacement therapy

## Supplemental Figure 2.Effect of integrated care on eGFR(ml/min per 1.73 m<sup>2</sup>)



## Supplemental Figure 3. Effect of integrated care on serum creatinine (mg/dL)

Study	Integ	rated care		c	Control			MD		Mean Difference			
	Mean	SD	Total	Mean	SD	Total	Weight	(random) (95% CI)		(rand	om) (95% CI)		
Chen 2011	-3.51	2.695	23	-4.73	2.86	21	4.7%	1.22 [-0.43, 2.87]					$\rightarrow$
Harris 1998	-3	2.6	185	-2.7	2.5	196	29.5%	-0.30 [-0.81, 0.21]	-				
Scherpbier de Haan 2013	-1.2545	0.2873	90	-1.2919	0.2783	74	65.8%	0.04 [-0.05, 0.12]			-∎-		
Total (95% CI)			298			291	100.0%	-0.01 [-0.38, 0.36]					
Heterogeneity: Tau <sup>2</sup> = 0.05; 0	Chi²= 3.63, d	f = 2 (P = 0	0.16); I²=	- 45%					⊢		$\neg$		
Test for overall effect: Z = 0.0	A (P = 0.07)								-1	-0.5	0	0.5	1
	(i = 0.37)								Favours	integrated care		Favou	urs contro

## Supplemental Figure 4. Effect integrated care on controlled blood pressure (< 130/80

## mmHg)

	Integrated	care	Contr	ol		RR	Risk Ratio
Study	Events	Total	Events	Total	Weight	(random) (95% CI)	(random) (95% CI)
Clinical integration in	ntervention(s)						
Barrett 2011	81	128	64	136	26.6%	1.34 [1.08, 1.68]	<b>_</b>
Blakeman 2014	130	193	116	210	33.2%	1.22 [1.04, 1.43]	
Subtotal (95% CI)		321		346	59.8%	1.26 [1.11, 1.43]	
Heterogeneity: Tau <sup>2</sup> =	0.00; Chi <sup>2</sup> = 0.5	0, df = 1	(P = 0.48	); I <sup>2</sup> = 0	%		
Test for overall effect:	Z = 3.54 (P = 0.	0004)					
Professional integra	tion interventio	on(s)					
Santschi 2011	21	48	10	41	7.1%	1.79 [0.96, 3.36]	
Cooney 2015	177	429	185	441	33.1%	0.98 [0.84, 1.15]	
Subtotal (95% CI)		477		482	40.2%	1.23 [0.70, 2.16]	
Heterogeneity: Tau <sup>2</sup> =	0.13; Chi <sup>2</sup> = 3.3	2, df = 1	(P = 0.07	'); I²= 70	0%		
Test for overall effect:	Z = 0.70 (P = 0.	48)					
Total (95% CI)		798		828	100.0%	1.20 [1.00, 1.44]	
Heterogeneity: Tau <sup>2</sup> =	0 02 · Chi <sup>2</sup> = 8 1	6 df=3	R(P = 0.04)	): $l^2 = 6$	3%		· · · · · · · · · · · · · · · · · · ·
Test for overall effect:				,,	- / -		0.5 0.7 1 1.5 2
Test for subgroup diffe		'	- 1 /D - 0	001 12-	00/		Favours control Favours integrated care

## Supplemental Figure 5. Effect of integrated care on systolic blood pressure (mmHg)

	Integ	rated	care	C	ontro	1		MD	Mean Difference
Study	Mean	SD	Total	Mean	SD	Total	Weight	(random) (95% CI)	(random) (95% CI)
Clinical integration inter	rventior	n(s)							
Hotu 2010	140	19	30	149	23	28	7.6%	-9.00 [-19.90, 1.90	0]
Subtotal (95% CI)			30			28	7.6%	-9.00 [-19.90, 1.90	D]
Heterogeneity: Not applic	able								
Test for overall effect: Z =	= 1.62 (F	9 = 0.1	1)						
Professional integration	n interv	ention	ı(s)						
Santschi 2011	135.1	22.2	48	141.8	23.7	41	9.6%	-6.70 [-16.30, 2.90	0]
Scherpbier deHaan 2013	134.7	15.7	90	142.9	16.8	74	30.1%	-8.20 [-13.22, -3.18	8]
Harris 1998	142	17	185	145	17	196	52.7%	-3.00 [-6.42, 0.42	2] — 📕 🕂
Subtotal (95% CI)			323			311	92.4%	-5.27 [-8.95, -1.59]	
Heterogeneity: Tau <sup>2</sup> = 3.6	65; Chi²:	= 2.98	, df = 2	(P = 0.	23); I	²= 33%	6		
Test for overall effect: Z =	= 2.81 (F	= 0.0	05)						
Total (95% CI)			353			339	100.0%	-5.38 [-8.45, -2.30]	
Heterogeneity: Tau <sup>2</sup> = 1.6	64; Chi²:	= 3.52	, df = 3	(P = 0.	32); I	²= 15%	6		
Test for overall effect: Z =	= 3.42 (F	= 0.0	006)						-20 -10 0 10 20
Test for subgroup differer	nces: Cł	$i^{2} = 0.$	40. df	= 1 (P =	0.52	), /² = 0	%		Favours integrated care Favours contro

# Supplemental Figure 6. Effect of integrated care on diastolic blood pressure (mmHg)

	Integr	rated	care	С	ontro	I		MD		Mea	,		
Study	Mean	SD	Total	Mean	SD	Total	Weight	(random) (95% CI)		(rand	lom) (95% Cl	)	
Clinical integration inter	vention	l(s)											
Hotu 2010	78	11	30	77	12	28	20.5%	1.00 [-4.94, 6.94		_		-	
Subtotal (95% CI)			30			28	20.5%	1.00 [-4.94, 6.94]			$ \diamond$	•	
Heterogeneity: Not applic	able												
Test for overall effect: Z =	0.33 (P	= 0.74	4)										
Professional integration	interve	ntion	(s)										
Santschi 2011	67.7	12.5	48	68.8	12.8	41	22.1%	-1.10 [-6.38, 4.18	]				
Scherpbier de Haan 2013	73.8	9.6	90	80.9	11.2	74	27.2%	-7.10 [-10.33, -3.87	]	— <b>o</b> —			
Harris 1998	79	8	185	78	9	196	30.2%	1.00 [-0.71, 2.71			∎		
Subtotal (95% CI)			323			311	79.5%	-2.37 [-8.00, 3.26]					
Heterogeneity: Tau <sup>2</sup> = 21.	46; Chi²	²=18.	88, df :	= 2 (P <	0.000	01); I²=	89%						
Test for overall effect: Z =	0.82 (P	= 0.4	1)										
Total (95% Cl)			353			339	100.0%	-1.67 [-6.22, 2.88]					
Heterogeneity: Tau²= 17.	⊢			-+									
Test for overall effect: Z =	0.72 (P	= 0.42	7)						-20	-10	0	10	2
Test for subgroup differen	ces: Ch	i²= 0.0	65. df =	= 1 (P =	0.42)	$l^2 = 0^6$	%		Favours	integrated care		Favour	rs contr