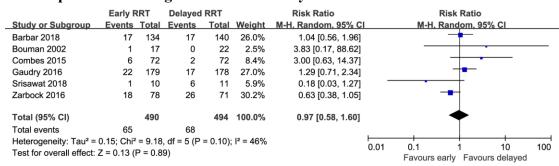
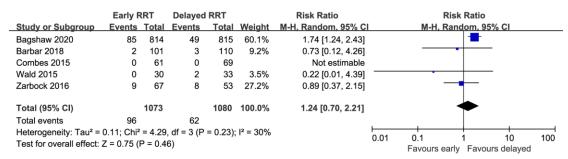
#### a. Number of patients who received RRT

Early RI	arly RRT Delayed RRT Risk Ratio				Risk Ratio		
Events	Total	Events	Total	Weight	M-H, Random, 95% C	M-H, Random, 95%	CI
1418	1465	903	1462	10.9%	1.57 [1.50, 1.63]		
239	246	149	242	10.4%	1.58 [1.43, 1.75]	•	
35	35	30	36	9.9%	1.20 [1.03, 1.40]	*	
111	112	64	112	9.8%	1.73 [1.48, 2.04]	-	
305	311	157	308	10.4%	1.92 [1.72, 2.15]	•	
93	102	88	106	10.4%	1.10 [0.99, 1.22]	<b>*</b>	
57	58	45	60	9.9%	1.31 [1.13, 1.52]	-	
20	20	8	20	4.9%	2.41 [1.43, 4.07]		
48	48	33	52	9.2%	1.57 [1.27, 1.93]	-	
30	30	6	30	3.5%	4.69 [2.37, 9.31]		_
112	112	108	119	10.8%	1.10 [1.04, 1.17]	•	
	2539		2547	100.0%	1.52 [1.30, 1.78]	<b>♦</b>	
2468		1591					
0.06; Chi <sup>2</sup> :	= 217.	0.01	10 100				
z = 5.31 (P	< 0.0						
	1418 239 35 111 305 93 57 20 48 30 112 2468 .06; Chi²	1418 1465 239 246 35 35 111 112 305 311 93 102 57 58 20 20 48 48 30 30 112 112 2539 2468 .06; Chi² = 217.	Events         Total         Events           1418         1465         903           239         246         149           35         35         30           111         112         64           305         311         157           93         102         88           57         58         45           20         20         8           48         48         33           30         30         6           112         112         108           2539         2468         1591	Events         Total         Events         Total           1418         1465         903         1462           239         246         149         242           35         35         30         36           111         112         64         112           305         311         157         308           93         102         88         106           57         58         45         60           20         20         8         20           48         48         33         52           30         30         6         30           112         112         108         119           2539         2547           2468         1591           .06; Chi² = 217.43, df = 10 (P < 0.2)	Events         Total         Events         Total         Weight           1418         1465         903         1462         10.9%           239         246         149         242         10.4%           35         35         30         36         9.9%           111         112         64         112         9.8%           305         311         157         308         10.4%           93         102         88         106         10.4%           57         58         45         60         9.9%           20         20         8         20         4.9%           48         48         33         52         9.2%           30         30         6         30         3.5%           112         112         108         119         10.8%           2539         2547         100.0%           2468         1591           .06; Chi² = 217.43, df = 10 (P < 0.00001); l²	Events         Total         Events         Total         Weight         M-H. Random, 95% Ci           1418         1465         903         1462         10.9%         1.57 [1.50, 1.63]           239         246         149         242         10.4%         1.58 [1.43, 1.75]           35         35         30         36         9.9%         1.20 [1.03, 1.40]           111         112         64         112         9.8%         1.73 [1.48, 2.04]           305         311         157         308         10.4%         1.92 [1.72, 2.15]           93         102         88         106         10.4%         1.10 [0.99, 1.22]           57         58         45         60         9.9%         1.31 [1.13, 1.52]           20         20         8         20         4.9%         2.41 [1.43, 4.07]           48         48         33         52         9.2%         1.57 [1.27, 1.93]           30         30         6         30         3.5%         4.69 [2.37, 9.31]           112         112         108         119         10.8%         1.10 [1.04, 1.17]           2539         2547         100.0%         1.52 [1.30, 1.78]	Events         Total         Events         Total         Weight         M-H. Random, 95% Cl         M-H. Random, 95% Cl           1418         1465         903         1462         10.9%         1.57 [1.50, 1.63]           239         246         149         242         10.4%         1.58 [1.43, 1.75]           35         35         30         36         9.9%         1.20 [1.03, 1.40]           111         112         64         112         9.8%         1.73 [1.48, 2.04]           305         311         157         308         10.4%         1.92 [1.72, 2.15]           93         102         88         106         10.4%         1.10 [0.99, 1.22]           57         58         45         60         9.9%         1.31 [1.13, 1.52]           20         20         8         20         4.9%         2.41 [1.43, 4.07]           48         48         33         52         9.2%         1.57 [1.27, 1.93]           30         30         6         30         3.5%         4.69 [2.37, 9.31]           112         112         108         119         10.8%         1.10 [1.04, 1.17]

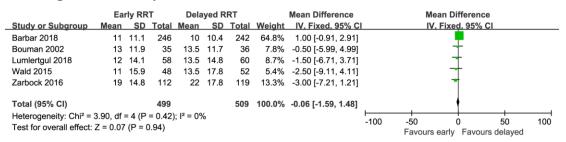
#### b. RRT dependence among survivors at 28 days



### c. RRT dependence among survivors at 90 days



# d. The length of ICU stay



# e. The length of hospital stay

	Early RRT			Delayed RRT				Mean Difference	Mean Difference				
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% C		IV, F	andom, 95	% CI	
Barbar 2018	29.3	29.1	246	34.7	41.3	242	18.6%	-5.40 [-11.75, 0.95]			-		
Bouman 2002	27	20.7	35	35.5	38.5	36	5.7%	-8.50 [-22.82, 5.82]			<del></del>		
Gaudry 2016	31	46.9	311	28.4	35.5	308	18.0%	2.60 [-3.95, 9.15]			+		
Jamale 2013	5.6	3.4	102	7.5	5.8	106	39.4%	-1.90 [-3.19, -0.61]			•		
Lumlertgul 2018	29.7	35.5	58	32.6	34.9	60	7.0%	-2.90 [-15.61, 9.81]			+		
Wald 2015	32.1	41.4	48	28.9	28.1	52	6.0%	3.20 [-10.78, 17.18]			<del></del>		
Zarbock 2016	44.2	41.9	112	64.6	70.6	119	5.4%	-20.40 [-35.27, -5.53]		_			
Total (95% CI)			912			923	100.0%	-2.88 [-6.57, 0.81]			•		
Heterogeneity: Tau <sup>2</sup> = 8.58; Chi <sup>2</sup> = 10.24, df = 6 (P = 0.11); I <sup>2</sup> = 41%									100				100
Test for overall effect: Z = 1.53 (P = 0.13)									-100	-50 Favours	early Favo	50 urs delayed	100

# f. Mechanical ventilation-free days at 28 days

	Early RRT			Delayed RRT			Mean Difference			Mean Difference			
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI		IV, Ra	ndom, 95°	% CI	
Bagshaw 2020	13	17.8	1465	12	17.8	1462	23.1%	1.00 [-0.29, 2.29]			•		
Barbar 2018	8.5	9.9	246	9.6	10.4	242	15.8%	-1.10 [-2.90, 0.70]			•		
Bouman 2002	15	11.9	35	9.6	10.4	36	2.8%	5.40 [0.20, 10.60]			-		
Combes 2015	1	3.7	112	1	4.4	112	27.4%	0.00 [-1.06, 1.06]			•		
Gaudry 2016	9.3	11	311	8.9	10.8	308	16.8%	0.40 [-1.32, 2.12]			•		
Lumlertgul 2018	8.6	11.9	58	7	10.8	60	4.3%	1.60 [-2.50, 5.70]			+		
Srisawat 2018	10.7	12.4	20	5	9.6	20	1.6%	5.70 [-1.17, 12.57]			-		
Zarbock 2016	9.3	11	112	8.9	10.8	119	8.2%	0.40 [-2.41, 3.21]			t		
Total (95% CI)			2359			2359	100.0%	0.47 [-0.42, 1.36]			•		
Heterogeneity: Tau <sup>2</sup> =	0.46: Ch	ni² = 10	0.18. df	= 7 (P =	= 0.18	): I <sup>2</sup> = 3	1%		<del></del>			<del></del>	
Test for overall effect:				. (•		,,			-100	-50	0	50	100
105t 101 040tall 6110tt. 2 = 1.00 (1 = 0.00)										Favours delay	∕ed Favoι	ırs early	

# g. RRT-free days at 28 days

	Ea	rly RR	T	Dela	yed R	RT		Mean Difference		Mean Difference			
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% C		IV. Fixed	, 95% CI		
Barbar 2018	13.4	11.4	246	14.8	11.8	242	35.5%	-1.40 [-3.46, 0.66]		•			
Combes 2015	17	17.8	112	23	20.7	112	5.9%	-6.00 [-11.06, -0.94]		-			
Gaudry 2016	12.6	12.1	311	13.6	13	308	38.4%	-1.00 [-2.98, 0.98]		•			
Lumlertgul 2018	6.9	10.1	58	7.8	12.1	60	9.3%	-0.90 [-4.92, 3.12]		+			
Srisawat 2018	9.4	11.3	20	10	13.9	20	2.4%	-0.60 [-8.45, 7.25]		+	-		
Wald 2015	10.9	11.6	48	8.5	9.8	52	8.4%	2.40 [-1.83, 6.63]		†	-		
Total (95% CI)			795			794	100.0%	-1.13 [-2.36, 0.10]		•			
Heterogeneity: Chi <sup>2</sup> = 6.36, df = 5 (P = 0.27); $I^2$ = 21%										-50 0	-	50	100
Test for overall effect: Z = 1.81 (P = 0.07)											Favours ea		100

### h. Vasopressor-free days at 28 days

