

Online Resource 2

Sub-group analysis for 30-day readmission

Article title: Effects of a transitional care intervention on readmission among older medical inpatients: A quasi-randomised controlled trial

Sub-groups		30-day readmission RR, CI 95%
		Overall adjusted RR: 1.00 (0.80;1.26)
		Adjusted RR for the intervention group compared with the control group
Age groups	75-79	1.19 (0.77;1.85)
	80-84	0.75 (0.50;1.18)
	85-89	1.32 (0.83;2.10)
	≥ 90	0.90 (0.55;1.49)
Gender	Female	1.03 (0.76;1.41)
	Male	0.97 (0.70;1.34)
Housing	Own home	1.01 (0.79;1.27)
	Nursing home	0.98 (0.45;2.14)
Civil Status	Married	0.96 (0.65;1.40)
	Divorced	1.12 (0.56;2.23)
	Widow	0.96 (0.70;1.32)
Social status	Living alone	0.87 (0.62;1.23)
	Co-habiting	1.12 (0.82;1.51)
LOS in days	≤ 3	1.47 (0.73;2.96)
	3.1-6	0.87 (0.64;1.18)
	6.1-9	1.33 (0.79;2.23)
	9.1-12	0.64 (0.32;1.27)
	≥ 12.1	1.30 (0.52;3.26)
CCI - comorbidity	No	1.09 (0.66;1.78)
	Low	0.79 (0.47;1.33)
	Moderate	1.47 (0.83;2.59)
	High	0.94 (0.68;1.32)
Home healthcare services ^A	No service	1.18 (0.75;1.84)
	Home visits by district nurse	0.91 (0.67;1.23)
	Personal care	1.18 (0.54;2.57)
	Practical help	1.00 (0.40;2.52)
Municipality	Skanderborg	1.07 (0.80;1.43)
	Odder	1.28 (0.89;1.85)
	Hedensted	0.84 (0.61;1.16)
Blood samples	CRP	
	Normal	1.00 (0.55;1.81)
	Abnormal	1.00 (0.78;1.28)
	eGRF	
	Normal	0.85 (0.61;1.17)
	Abnormal	1.17 (0.85;1.61)
	Hemoglobin	
	Normal	1.20 (0.80;1.82)
	Abnormal	0.93 (0.71;1.21)
	Sodium	
	Normal	1.16 (0.90;1.50)
	Abnormal	0.60 (0.37;0.98)*
	Leucocyttter	
	Normal	1.14 (0.87;1.49)
	Abnormal	0.75 (0.50;1.13)
	Potassium	
	Normal	1.14 (0.88;1.46)

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	Abnormal Albumin Normal Abnormal	0.59 (0.35;1.00)* 1.40 (0.99;2.00) 0.78 (0.58;1.05)
Admission year	2017 2018	0.97 (0.70;1.34) 1.02 (0.75;1.41)
BMI	<20 20-25 26-30 >30	0.62 (0.35;1.11) 1.18 (0.82;1.70) 0.83 (0.54;1.27) 1.83 (0.85;3.93)
Vital signs at discharge from IA	Systolic blood pressure Normal Abnormal Pulse rate Normal Abnormal Saturation Normal Abnormal Respiratory rate Normal Abnormal	0.98 (0.78;1.24) 1.82 (0.44;7.63) 0.97 (0.75;1.25) 1.16 (0.71;1.90) 1.01 (0.79;1.27) 0.98 (0.46;2.13) 1.10 (0.80;1.51) 0.91 (0.67;1.26)
Polypharmacy	No Yes	1.29 (0.56;2.99) 0.98 (0.77;1.24)
Admissions within 1 year prior to the IA	No Yes	1.06 (0.75;1.50) 0.96 (0.72;1.29)
Visits to the GP within 1 month prior to the IA	No Yes	1.06 (0.70;1.63) 0.98 (0.75;1.27)
Visits to the out-of-hour doctor within 1 month prior to the IA	No Yes	1.12 (0.86;1.45) 0.76 (0.50;1.15)
Time of discharge from the IA	Day shift Evening shift Weekday Weekend/holiday	0.99 (0.78;1.27) 0.97 (0.54;1.73) 0.99 (0.78;1.25) 1.21 (0.58;2.55)

LOS: length of stay; CCI: Charlson Comorbidity Index BMI: IA: index admission, GP

A: Rehabilitation is deleted due to few observations

* statistical significant

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