- 1 Supplementary table 1 Results of logistic univariate regression analysis examining the
- 2 association between patient, hospital and general practice factors associated with unplanned
- 3 30-day readmission to hospital (all variables)

Variables	Crude	Crude 95% CI p value		aOR	95% CI	p value	
, 11 111 2123	OR	7670 01	p ruine		<i>70,1</i> CI	1	
Comorbidities							
Arthritis	0.754	[0.291, 1.953]	0.561	0.755	[0.291, 1.962]	0.564	
Osteoporosis	2.108	[0.787, 5.645]	0.138	2.04	[0.744, 5.592]	0.166	
Asthma	0.762	[0.218, 2.669]	0.671	0.792	[0.225, 2.783]	0.716	
COPD, ARDS, emphysema	1.188	[0.148, 9.544]	0.871	1.112	[0.138, 8.947]	0.921	
Angina	1.000	-	-	1	-	-	
Congestive heart							
failure (or heart	6.540	[1.884, 22.698]	0.003	6.0339	[1.708, 21.312]	0.005	
disease)							
Heart attack	1.000	-	-	1	-	-	
Neurological disease	1.367	[0.168, 11.127]	0.770	1.413	[0.171, 11.683]	0.748	
Stroke/ TIA	1.536	[0.336, 7.020]	0.580	1.428	[0.301, 6.764]	0.654	
Peripheral vascular disease	9.542	[2.134, 42.671]	0.003	8.772	[1.901, 40.481]	0.005	
Diabetes	1.638	[0.531, 5.052]	0.391	1.595	[0.516, 4.931]	0.418	
Upper GI disease	1.451	[0.620, 3.395]	0.391	1.482	[0.628, 3.499]	0.369	
Depression	1.259	[0.484, 3.271]	0.637	1.326	[0.504, 3.491]	0.567	

Anxiety or panic	1.855	[0.658, 5.230]	0.243	2.187	[0.746, 6.406]	0.154
disorders	1.033	[0.030, 3.230]	0.2 13	2.107	[0.7 10, 0.100]	0.15
Visual	2 240	[1 004 5 400]	0.040	2.502	[0.004.6.264]	0.054
impairment	2.348	[1.004, 5.490]	0.049	2.503	[0.984, 6.364]	0.054
Hearing	1.276	[0.459.2.552]	0.641	1 126	[0.201.2.224]	0.92
impairment	1.276	[0.458, 3.553]	0.641	1.126	[0.381, 3.324]	0.83
Degenerative disc	0.024	[0 274 2 405]	0.722	0.701	[0.261.2.207]	0.670
disease	0.824	[0.274, 2.485]	0.732	0.791	[0.261, 2.397]	0.679
Comorbidity	1.163	[0.858, 1.576]	0.332	1.148	[0.841, 1.566]	0.384
scale						
Self-rated health	0.603	[0.371, 0.977]	0.040	0.608	[0.376, 0.984]	0.043
Before you went						
Before you went to hospital						
•						
to hospital	0.875	[0.358, 2.142]	0.770	0.921	[0.370, 2.293]	0.859
to hospital Invited to attend	0.875	[0.358, 2.142]	0.770	0.921	[0.370, 2.293]	0.859
to hospital Invited to attend session by	0.875	[0.358, 2.142]	0.770	0.921	[0.370, 2.293]	0.859
to hospital Invited to attend session by surgeon	0.875	[0.358, 2.142] [0.310, 1.538]		0.921		0.859
to hospital Invited to attend session by surgeon Attended						
to hospital Invited to attend session by surgeon Attended information						
to hospital Invited to attend session by surgeon Attended information session						

Given						
information	0.006	F0.446 = 4043	0.042	1.040	50.400.0.000	0.06
package or	0.926	[0.116, 7.401]	0.942	1.048	[0.129, 8.528]	0.965
checklist						
Use of						
information or	1.000	-	-	1	-	-
checklist						
In the hospital						
Pain						
Experienced pain						
during hospital	1.131	[0.414, 3.091]	0.810	1.136	[0.415, 3.111]	0.804
stay						
Worst Pain	1.383	[0.616, 3.106]	0.432	1.39	[0.618, 3.127]	0.426
General level of	1.098	[0.488, 2.473]	0.821	1.109	[0.492, 2.503]	0.803
pain in hospital	1.096	[0.466, 2.473]	0.821	1.109	[0.492, 2.303]	0.803
Pain on discharge	0.513	[0.150, 1.752]	0.287	0.522	[0.152, 1.788]	0.301
Medication for						
pain control	0.293	[0.059, 1.455]	0.133	0.271	[0.053, 1.377]	0.115
helped						
Ice to manage	0.844	[0.357, 1.995]	0.700	0.918	[0.379, 2.224]	0.849
pain	0.044	[0.557, 1.995]	0.700	0.916	[0.379, 2.224]	0.049
Breathing	0.635	[0.286, 1.406]	0.263	0.634	[0.286, 1.408]	0.263
exercise	0.033	[0.200, 1.400]	0.203	0.034	[0.200, 1.400]	0.203
Rest/ sleep						

Single/ shared	1.099	[0.449, 2.690]	0.836	1.028	[0.417, 2.532]	0.952
room		[*****, =****]			[*****, =***=]	
Quality of sleep	2.400	[1.082, 5.323]	0.031	2.431	[1.094, 5.405]	0.029
Medication for	0.794	[0.312, 2.032]	0.633	0.794	[0.310, 2.033]	0.631
sleep	0.774	[0.312, 2.032]	0.033	0.774	[0.310, 2.033]	0.031
Feel rested when	3.105	[1.353, 7.127]	0.008	3.354	[1.454, 7.733]	0.005
leaving hospital	5.105	[1.333, /.12/]	0.008	3.334	[1.434, 7.733]	0.003
Total sleep score	1.484	[1.016, 2.165]	0.041	1.487	[1.020, 2.167]	0.039
Diet						
Dietary	1 246	[0.411.2.775]	0.600	1 221	[0.400.2.720]	0.725
requirement met	1.246	[0.411, 3.775]	0.698	1.221	[0.400, 3.728]	0.725
Water in reach	0.915	[0.116, 7.233]	0.933	1.026	[0.128, 8.215]	0.981
Quality of food in	0.610	[0 141 2 700]	0.522	0.605	[0.127.2.664]	0.506
hospital	0.618	[0.141, 2.708]	0.523	0.605	[0.137, 2.664]	0.506
Total diet score	0.964	[0.525, 1.771]	0.906	0.966	[0.527, 1.772]	0.911
Public vs	1.651	[0.730, 3.734]	0.229	1.653	[0.729, 3.748]	0.229
Private Hospital						
Post-hospital						
syndrome	0.962	[0.751, 1.232]	0.760	0.973	[0.759, 1.246]	0.826
Discussions of						
medications	0.952	[0.347, 2.612]	0.924	0.989	[0.351, 2.788]	0.983
with health care	0.502	[3.5 .7, 2.012]		0.,0,	[3.552, 2.7, 00]	0.202
provider						

P			

medication

enablement

Better understand	0.569	[0.156, 2.072]	0.393	0.562	[0.154, 2.052]	0.383
use of medication	0.309	[0.130, 2.072]	0.393	0.302	[0.134, 2.032]	0.363
Feel more						
confident about	0.422	[0.132, 1.351]	0.146	0.416	[0.129, 1.342]	0.142
taking	0.422	[0.132, 1.331]	0.140	0.410	[0.12), 1.342]	0.142
medications						
Take your	0.374	[0.128, 1.097]	0.073	0.372	[0.127, 1.092]	0.072
medications	0.574	[0.126, 1.077]	0.075	0.572	[0.127, 1.072]	0.072
Total medication	0.794	[0.509, 1.236]	0.306	0.789	[0.504, 1.233]	0.298
enablement	0.751	[0.307, 1.230]	0.500	0.705	[0.301, 1.233]	0.270
Patient						
enablement						
Able to cope with	0.737	[0.454 1 199]	0.219	0.748	[0.460_1.218]	0.243
Able to cope with life	0.737	[0.454, 1.199]	0.219	0.748	[0.460, 1.218]	0.243
-	0.737	[0.454, 1.199]	0.219	0.748	[0.460, 1.218]	0.243
life	0.737	[0.454, 1.199]	0.219	0.748	[0.460, 1.218]	0.243
life Able to						
life Able to understand your	0.806	[0.491, 1.322]	0.393	0.812	[0.493, 1.338]	0.415
life Able to understand your condition						
life Able to understand your condition Able to cope with	0.806	[0.491, 1.322]	0.393	0.812	[0.493, 1.338]	0.415

Confident about	0.797	[0.487, 1.303]	0.365	0.808	[0.493, 1.323]	0.397
Able to help yourself	0.685	[0.420, 1.117]	0.129	0.691	[0.422, 1.130]	0.141
Total enablement	0.741	[0.337, 1.630]	0.456	0.742	[0.335, 1.641]	0.461
When you got home from hospital Recall being						
given information about who to contact	0.920	[0.303, 2.792]	0.883	0.986	[0.321, 3.030]	0.98
Who you were instructed to	0.938	[0.852, 1.033]	0.193	0.936	[0.849, 1.031]	0.18
Go to ED within 30 days of discharge	50.171	[19.089, 131.868]	0.000	47.948	[18.230, 126.113]	0
General Practice						
Questions Regular GP practice	0.253	[0.050, 1.281]	0.097	0.246	[0.048, 1.265]	0.093

Sees the same	1.000			1		
doctor	1.000			1	-	-
Regular						
appointments	1.067	[0.485, 2.344]	0.872	0.947	[0.419, 2.139]	0.896
with GP						
Discussion of	1 426	[0.592-2.520]	0.422	1 20	[0.550 2.412]	0.496
plan with GP	1.436	[0.582, 3.539]	0.432	1.38	[0.558, 3.412]	0.486
When were you						
advised to see GP	0.626	[0.252, 1.553]	0.312	0.651	[0.262, 1.619]	0.356
next						
Usual waiting	0.005	[0.644_1.520]	0.002	0.001	[0.642, 1.521]	0.060
time to see GP	0.995	[0.644, 1.539]	0.983	0.991	[0.642, 1.531]	0.969
How soon after						
surgery did you	0.738	[0.560, 1.508]	0.738	0.912	[0.557, 1.493]	0.715
see GP						
Did GP know						
you were in	1.550	[0.198, 12.102]	0.676	1.465	[0.185, 11.608]	0.718
hospital						
Attendance to	1 450	[0.570, 2.727]	0.422	1.52	[0.50(.2.027]	0.277
rehab program	1.458	[0.569, 3.736]	0.432	1.53	[0.596, 3.927]	0.377
Attendance to						
rehab within 5	1.241	[0.729, 2.110]	0.426	0.874	[0.446, 1.71]	0.693
days						

- 6 Supplementary table 2 Patients with the listed variable that were readmitted compared to
- 7 those that were not readmitted

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	Yes but not readmitted		Readmit	tted
	n=355	%	n=27	%
Variables				
Comorbidities				
Arthritis	283	93.40	20	6.60
Osteoporosis	50	89.29	6	10.71
Asthma	61	95.31	3	4.69
COPD, ARDS, emphysema	12	92.31	1	7.69
Angina	9	100.00	0	0.00
Congestive heart failure (or heart				
disease)	10	71.43	4	28.57
Heart attack	9	100.00	0	0.00
Neurological disease	10	90.91	1	9.09
Stroke/ TIA	19	90.48	2	9.52
Peripheral vascular disease	5	62.50	3	37.50
Diabetes	37	90.24	4	9.76
Upper GI disease	95	91.35	9	8.65
Depression	69	92.00	6	8.00
Anxiety or panic disorders	42	89.36	5	10.64
Visual impairment	80	88.89	10	11.11
Hearing impairment	59	92.19	5	7.81
Degenerative disc disease	64	94.12	4	5.88

Comorbidity scale				
0	40	93.02	3	6.98
1	188	95.43	9	4.57
2	88	88.89	11	11.11
3	25	89.29	3	10.71
4	11	91.67	1	8.33
5	1	100.00	0	0.00
6	1	100.00	0	0.00
11	1	100.00	0	0.00
Self rated health				
Poor	3	0.85	0	0.00
Fair	48	13.56	7	25.93
Good	152	42.94	13	48.15
Very Good	128	36.16	7	25.93
Excellent	23	6.50	0	0.00
Before you went to hospital				
Invited to attend session by surgeon	271	93.13	20	6.87
Attended information session	184	93.40	13	6.60
Usefulness of session for surgery prep				
Not very useful	6	100.00	0	0.00
Moderately useful	42	87.50	6	12.50

Very useful	144	94.74	8	5.26
Given information package or				
checklist	337	92.84	26	7.16
Use of information or checklist	334	92.78	26	7.22
Pain				
Worst Pain (less than 6)	157	94.01	10	5.99
Worst Pain (6 or more)	193	91.90	17	8.10
General pain (less than 6)	224	92.95	17	7.05
General pain (6 or more)	120	92.31	10	7.69
Pain on discharge (less than 6)	283	92.18	24	7.82
Pain on discharge (6 or more)	69	95.83	3	4.17
Total pain score				
	241	02.17	25	6.02
Medication for pain control helped	341	93.17	25	6.83
Ice to manage pain	256	93.09	19	6.91
Breathing exercise	182	94.30	11	5.70
Single room	267	93.03	20	6.97
Shared room	85	92.39	7	7.61
Quality of sleep (average or good)	264	94.62	15	5.38
Quality of sleep (poor)	88	88.00	12	12.00
Medication for sleep	93	93.94	6	6.06
Feel rested when leaving hospital	236	95.93	10	4.07
Total sleep score				

Dietary requirement met	308	93.05	23	6.95
Water in reach	333	92.76	26	7.24
Quality of food in hospital (average				
or good)	309	92.51	25	7.49
Quality of food in hospital (poor)	40	95.24	2	4.76
Total diet score				
Post-hospital syndrome				
0	2	100.00	0	0.00
1	25	89.29	3	10.71
2	30	93.75	2	6.25
3	64	91.43	6	8.57
4	95	95.96	4	4.04
5	64	90.14	64	9.86
6	61	93.85	61	6.15
7	14	93.33	14	6.67
Discussions of medications with				
health care provider	282	92.76	22	7.24
Doctor	43	93.48	3	6.52
Nurse	108	93.10	8	6.90
Pharmacist	9	90.00	1	10.00
Physiotherapist	1	100.00	0	0.00
More than one	114	92.68	9	7.32

Patient medication enablement

Better understand use of medication	253	91.34	18	85.71
Feel more confident about taking				
medications	252	90.97	17	80.95
Take your medications	248	89.53	16	76.19
Total medication enablement				
Patient enablement				
Less enabled	163	91.57	15	8.43
More enabled	176	93.62	12	6.38
When you get home from hospital				
Recall being given information				
about who to contact	291	93.27	21	6.73
Who were you instructed to				
Who were you instructed to contact	291	93.27	21	6.73
•	291 52	93.27 17.93	21 5	6.73 21.74
contact				
contact ED	52	17.93	5	21.74
contact ED ED, other	52 2	17.93 0.69	5	21.74 0.00
contact ED ED, other GP	52 2 93	17.93 0.69 32.07	5 0 9	21.74 0.00 39.13
contact ED ED, other GP GP, ED	5229322	17.93 0.69 32.07 7.59	5 0 9 4	21.74 0.00 39.13 17.39
contact ED ED, other GP GP, ED GP, other	52293221	17.93 0.69 32.07 7.59 0.34	5 0 9 4 0	21.74 0.00 39.13 17.39 0.00
contact ED ED, other GP GP, ED GP, other Nurse at hospital	5229322126	17.93 0.69 32.07 7.59 0.34 8.97	5 0 9 4 0	21.74 0.00 39.13 17.39 0.00 0.00
contact ED ED, other GP GP, ED GP, other Nurse at hospital Nurse at hospital, ED	 52 2 93 22 1 26 3 	17.93 0.69 32.07 7.59 0.34 8.97 1.03	5 0 9 4 0 0	21.74 0.00 39.13 17.39 0.00 0.00

Other	6	2.07	0	0.00
Surgeon	40	13.79	3	13.04
Surgeon, ED	3	1.03	1	4.35
Surgeon, GP	8	2.76	1	4.35
Surgeon, GP, ED	9	3.10	0	0.00
Surgeon, GP, Other	1	0.34	0	0.00
Surgeon, Nurse at hospital	8	2.76	0	0.00
Surgeon, Nurse at hospital, ED	3	1.03	0	0.00
Surgeon, Nurse at hospital, GP	6	2.07	0	0.00
Surgeon, Nurse at hospital, GP, ED	1	0.34	0	0.00
Went to ED within 30 days of				
disahanga	16	<i>15 7</i> 1	10	54.20
discharge	16	45.71	19	54.29
discharge Reasons for going to the ED	16 37	45.71	19	54.29
-		45.715.41	19	54.29 50.00
Reasons for going to the ED	37			
Reasons for going to the ED Wound problems	37 2	5.41	2	50.00
Reasons for going to the ED Wound problems Pain	37 2 5	5.41 13.51	2 5	50.00 50.00
Reasons for going to the ED Wound problems Pain Other	37 2 5	5.41 13.51	2 5	50.00 50.00
Reasons for going to the ED Wound problems Pain Other General Practice Questions	372511	5.41 13.51 29.73	2 5 12	50.00 50.00 52.17
Reasons for going to the ED Wound problems Pain Other General Practice Questions Regular GP practice	372511346	5.41 13.51 29.73	2 5 12	50.00 50.00 52.17

within 4 weeks

When were you advised to see GP						
next						
1-6 weeks	269	93.40	19	6.60		
Don't know	62	89.96	7	10.14		
Usual waiting time to see GP						
Same day	40	90.91	4	9.09		
Within a couple of days	189	93.56	13	6.44		
Within one week	75	94.94	4	5.06		
1-2 weeks	37	88.10	5	11.90		
>2 weeks	9	100.00	0	0.00		
How soon after surgery did you see GP?						
Within 1 week	134	91.78	12	8.22		
2-3 weeks	130	94.89	7	5.11		
4-6 weeks	34	89.47	4	10.53		
Don't know	20	95.24	1	4.76		
Did the GP know you were in						
hospital	282	92.46	23	7.54		
Attendance to rehab program						
within 5 days	125	91.91	11	8.09		
within 2 weeks	116	93.55	8	6.45		

16

88.89

2

11.11

don't know	5	100.00	0	0.00
Lenth of attendance to rehab				
One week	20	80.00	5	20.00
2 weeks	20	95.24	1	4.76
3 weeks	17	89.47	2	10.53
4 weeks	50	90.91	5	9.09
>4 weeks	128	95.52	6	4.48
ВМІ				
<21	19	95.00	1	5.00
21-25	85	96.59	3	3.41
26-40	205	90.71	21	9.29
41-60	12	85.71	2	14.29
Public vs Private Hospital				
Public	93	90.29	10	9.71
Private	261	93.88	17	6.12
Living situation				
Alone	78	89.66	9	10.34
Not alone	275	93.86	18	6.14

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