



## **Supporting Information**

### **Supplementary tables**

**This appendix was part of the submitted manuscript and has been peer reviewed.  
It is posted as supplied by the authors.**

Appendix to: Cheung NW, Campbell LV, Fulcher GR, et al. Routine glucose assessment in the emergency department for detecting unrecognised diabetes: a cluster randomised trial. *Med J Aust* 2019; doi: 10.5694/mja2.503940.

**Table 1. Characteristics of patients whose blood glucose level was measured on admission to hospital from an emergency department**

	Total	Intervention hospitals	Control hospitals	P
Number of patients	133 837	86 667	47 170	
Age (years)				0.61
< 40	30 159 (22.5%)	20 309 (23.4%)	9850 (20.8%)	
40 – < 50	13 512 (10.1%)	8637 (10.0%)	4875 (10.3%)	
50 – < 60	15 544 (11.6%)	9902 (11.4%)	5642 (12.0%)	
60 – < 70	18 697 (14.0%)	12 051 (13.9%)	6646 (14.1%)	
70 – < 80	21 422 (16.0%)	13 731 (15.8%)	7691 (16.3%)	
80 or more	34 503 (25.8%)	22 037 (25.4%)	12 466 (26.4%)	
Sex				0.93
Men	65 544 (49.0%)	42 389 (48.9%)	23 155 (49.1%)	
Women	68 293 (51.0%)	44 278 (51.1%)	24 015 (50.9%)	
Major diagnostic category				0.006
Nervous system	11 690 (8.7%)	8100 (9.3%)	3590 (7.6%)	
Respiratory	13 917 (10.4%)	8999 (10.4%)	4918 (10.4%)	
Circulatory	22 714 (17.0%)	14 615 (16.9%)	8099 (17.1%)	
Digestive, hepatobiliary, pancreas	17 289 (12.9%)	11 848 (13.7%)	5441 (11.5%)	
Musculoskeletal, connective tissue	10 950 (8.2%)	7340 (8.5%)	3610 (7.7%)	
Kidney and urinary tract	7978 (6.0%)	5373 (6.2%)	2605 (5.5%)	
Injuries, poison, toxic effect of drugs	7705 (5.8%)	4898 (5.7%)	2807 (6.0%)	
Other	41 594 (31.1%)	25 495 (29.4%)	16 100 (34.1%)	
Charlson index score				0.97
0	101 200 (75.6%)	65 216 (75.2%)	35 984 (76.3%)	
1	13 251 (9.9%)	8748 (10.1%)	4503 (9.5%)	
2 or more	19 386 (14.5%)	12 703 (14.7%)	6683 (14.2%)	
Blood glucose (mmol/L), mean (SD)	7.1 (4.0)	7.0 (3.9)	7.2 (4.3)	0.09

SD = standard deviation.

**Table 2. Characteristics of the 506 patients in intervention hospitals with admission blood glucose levels of 14 mmol/L or more, according to whether their HbA<sub>1c</sub> levels were assessed**

	HbA <sub>1c</sub> assessment		P
	Performed	Not performed	
Number of patients	270 (53%)	236 (47%)	
Blood glucose (mmol/L), mean (SD)	19.7 (9.3)	20.1 (10.2)	0.17
Age (years), mean (SD)	63.2 (18.5)	63.6 (20.1)	0.004
Sex			0.16
Men	139 (52%)	129 (55%)	
Women	131 (48%)	107 (45%)	
Charlson index score			0.08
0	158 (58%)	152 (64%)	
1	50 (18%)	32 (14%)	
2 or more	62 (23%)	52 (22%)	

SD = standard deviation.