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Supplemental Table 1. Types of Medication Errors Compared Between Treatment Arms.

Medication Error	Control	Intervention
Administrative		
Drug omitted on EMR	333	170
Additional drug on EMR	521	163
Dose error	74	34
Wrong drug	12	10
Dosage instructions incomplete on EMR	52	18
Drug prescribed but patient not taking	47	26
Prescribing error	264	130
Clinical		
Duplicate therapy	1	0
No indication for drug	0	0
Untreated condition	54	45
Dose too low	24	17
Dose too high	3	1
Drug contraindicated for medical reason or allergy	0	0
Drug contraindicated due to drug interaction	0	0
Other	0	0

Supplemental Table 2. Severity of Medication Errors Compared Between Treatment Arms.

Overhage Severity	Control	Intervention
(A) Potentially lethal	0	0
(B) Serious	1	0
(C) Significant	1320	586
(D) Minor	64	28
(E) No error	0	0

Supplemental Table 3. Rates of Adverse Events by Severity, Compared Between Treatment Arms.

CTCAE AE Grades	Rate of Events Per Patient Year		p-Value
	Control	Intervention	
Overall	21.26 (25.24)	20.68 (18.35)	0.8253
Grade 1	14.00 (15.10)	13.96 (1.47)	0.9616
Grade 2	5.28 (0.94)	5.53 (0.72)	0.9349
Grade 3	1.57 (0.34)	1.10 (0.22)	0.1854
Grade 4	0.38 (0.15)	0.07 (0.05)	<0.0001
Grade 5	0.01 (0.01)	0 (0)	1.000
Grade 3 or Higher	1.97 (0.46)	1.18 (0.25)	0.0475

Supplemental Table 4. Types of Adverse Events Compared Between Treatment Arms.

Adverse Event	Control	Intervention
Cardiovascular	149 (22.6%)	146 (23.9%)
Metabolism and nutrition disorders	134 (20.3%)	127 (20.8%)
Kidney	107 (16.2%)	101 (16.5%)
Endocrine disorders	64 (9.7%)	56 (9.1%)
Gastrointestinal disorders	58 (8.8%)	59 (9.6%)
Immune system disorders	47 (7.1%)	35 (5.7%)
Nervous system disorders	41 (6.2%)	38 (6.2%)
Respiratory, thoracic, and mediastinal disorders	17 (2.5%)	16 (2.6%)
Pain	20 (3.0%)	11 (1.8%)
Musculoskeletal and connective tissue disorders	11 (1.6%)	5 (0.8%)
Psychiatric disorders	6 (0.9%)	9 (1.4%)
Skin and subcutaneous tissue disorders	4 (0.6%)	1 (0.1%)
Ear, nose, throat	1 (0.1%)	3 (4.9%)
Other	0 (0.0%)	2 (0.3%)
Total	659	609