Supplemental Table 1. Cost avoidance per intervention (15)

tervention (year)	per Intervention	Evidence
	(2019 USD)	
2,013 (1997)	\$3,349.35	III
233.51 (1997)	\$388.52	III
2,013 (1997)	\$3,349.35	III
233.51 (1997)	\$388.52	III
233.51 (1997)	\$388.52	IV
ost of test avoided	Cost of test	IV
	avoided	
739.29 (2014)	\$796.07	III
ledication cost	Medication cost	IIA
18,475 (2012)	\$20,334.90	IIA
70.80 (2016)	\$74.63	
		III
	2,013 (1997) 233.51 (1997) 2,013 (1997) 233.51 (1997) 233.51 (1997) 239.29 (2014) 239.29 (2014)	(2019 USD) 2,013 (1997) \$3,349.35 33.51 (1997) \$388.52 2,013 (1997) \$388.52 33.51 (1997) \$388.52 25 (2014) \$796.07 26 (2014) \$796.07 27 (2012) \$20,334.90

Discontinuation of clinically unwarranted	\$60 (2010)	\$68.41	III
therapy			
Prevention of unnecessary high-cost	Medication cost	Medication cost	IV
medication			
Section 3: Individualization of patient care			
Dosage adjustment: continuous renal	\$2,345.98 (2013)	\$2,546.85	III
replacement therapy			
Dosage adjustment: no continuous renal	\$153 (2012)	\$168.41	III
replacement therapy			
Antimicrobial therapy initiation and	\$386.80 (1999)	\$615.45	IB
streamlining			
Anticoagulant therapy management	\$420 (1997)	\$698.82	III
Initiation of non-antimicrobial therapy	\$153 (2012)	\$168.41	III
Antimicrobial pharmacokinetic evaluation	\$153 (2012)	\$168.41	III
Total parenteral nutrition management	\$63.35 (2016)	\$66.78	III
Section 4: Prophylaxis			
Change venous thromboembolism	\$60 (2003)	\$83.92	IIA
prophylaxis to most appropriate agent			
Initiation of venous thromboembolism	\$1183 (2003)	\$1,654.45	IIA
prophylaxis			
Initiation of stress ulcer prophylaxis	\$53 (2015)	\$56.67	III
Initiation of ventilator associated	\$588 (2012)	\$647.19	III
pneumonia prophylaxis with chlorhexidine			
	1	ı	

Section 5: Hands-on care			
Bedside monitoring	\$233.51 (1997)	\$388.52	IV
Emergency code blue participation	\$1,283 (2008)	\$1,537.55	III
Rapid response team participation	\$153 (2012)	\$168.41	Ш
Emergency code stroke participation	\$627.90 (2013)	\$681.66	III
Emergency code sepsis participation	\$1,415.50 (2011)	\$1,584.91	III
Blood factor stewardship	\$8,941.40 (2014)	\$9,628.03	III
Emergency procedural sedation or rapid	\$211.70 (2005)	\$277.35	III
sequence intubation participation			
Medication teaching or discharge	\$631.34 (2013)	\$685.39	Ш
education			
Culture follow-up after emergency	\$631.34 (2013)	\$685.39	IV
department discharge			
Section 6: Administrative and supportive t	asks	ı	
Drug information consultation	\$101 (2011)	\$113.08	Ш
Drug information consultation: toxicology	\$385.62 (2012)	\$424.44	Ш
specific			
Patient own medication evaluation	\$233.51 (1997)	\$388.52	IV
Therapeutic interchange	Non-oral: \$94.60	Non-oral: \$105.92	111
	(2011)	Oral: \$18.61	
	Oral: \$16.62 (2011)		
	1		

Pharmacist provided drug protocol	\$101.54 (2014)	\$109.33	III
management pursuant to collaborative			
practice agreement			
Rejection of a restricted medication	\$373.36 (2016)	\$393.57	III

ADE: adverse drug event; USD: United States dollar

Note: When costs for cases and controls were provided, the difference between the two was used as the cost avoidance amount

Note: The values from all interventions were inflated to 2019 U.S. dollars using the consumer price index for medical care

Note: Categories of evidence were classified using the GRADE evidence-to-decision framework as follows: IA- Evidence from meta-analysis of randomized controlled trials; IB- Evidence from at least one randomized controlled trial; IIA- Evidence from at least one controlled study without randomization; IIB-Evidence from at least one type of quasi-experimental study; III- Evidence from nonexperimental descriptive studies, such as comparative studies, correlation studies, and case-control studies; IV-Evidence from expert committee reports or opinions or clinical experience of respected authorities, or both