

Table 3. Characteristics related to knowledge of MDRO screening

	MDRO prevalence is $\geq 60\%$		Know all MDROs to be screened systematically		Know the three IPC measures to avoid cross-transmission	
	N (%)	p-value	N (%)	p-value	N (%)	p-value
MDRO screening is a task of the ED		<0.001		0.320		0.098
Fully agree	6 (24.0)		4 (15.4)		4 (15.4)	
Mostly agree	8 (16.0)		3 (5.8)		12 (23.1)	
Mostly disagree	1 (4.5)		3 (13.0)		6 (26.1)	
Fully disagree	0 (0.0)		0 (0.0)		6 (60.0)	
Perception of screening priority		0.063		0.822		0.216
High	6 (18.8)		2 (5.7)		7 (20.0)	
Moderate	8 (13.8)		6 (10.2)		17 (28.8)	
Low	0 (0.0)		2 (10.0)		8 (40.0)	
Number of years of in your current profession		0.466		0.551		0.217
1-2	0 (0)		1 (25.0)		3 (75.0)	
3-5	1 (5.9)		2 (10.5)		5 (26.3)	
6-10	6 (23.1)		2 (7.7)		6 (23.1)	
≥ 11 years	8 (10.5)		5 (5.8)		22 (25.6)	
Number of years in the hospital		0.441		0.999		0.021
< 1	0 (0)		0 (0)		2 (66.7)	
1-2	0 (0)		1 (8.3)		7 (58.3)	
3-5	3 (12.5)		2 (7.7)		3 (11.5)	
6-10	12 (14.0)		7 (7.4)		24 (25.5)	
Specialized training in emergency care		0.427		0.802		0.392
Yes	6 (9.8)		4 (6.3)		18 (28.6)	
No	3 (7.7)		4 (8.7)		13 (28.3)	
Ongoing	4 (23.5)		2 (10.5)		3 (15.8)	
Not applicable	2 (28.6)		0 (0.0)		2 (28.6)	
Course in infection prevention		0.091				0.136

No	2 (6.5)		()		6 (19.4)	
Yes	13 (15.3)		()		27 (30.7)	
Participation in working group, committee in risk management		0.964				0.462
Yes, I am currently participating	2 (15.4)		()		3 (23.1)	
Yes, in the past, but I am not currently participating	1 (6.7)		()		31 (29.2)	
No	12 (12.6)		()		2 (12.5)	

MDRO= multidrug-resistant organisms; IPC= infection prevention and control; ED= emergency department

¹ Exact chi square

Table 4. Cost comparison of the clinical audit and the automated indicator in two phases of the intervention (development and continuous monitoring)

	Audit	Automated indicator
<i>Cost of the development phase</i>		
Human resources	1 person 200 hr	1 person 310 hr
Material and equipment	Audit feedback calculation and form	Existing framework for data extraction
Training and classes	Courses: 18 hr Classroom: 10 hr Preparation: 8 hr	Team presentations: 10 hr
Organization	2 people: 20 hr Meetings: 10 hr and 10 hr more with preparation	4 people: 100 hr 20 meetings: 60 hr Checking of 400 folders: 40 hr
Total of the development phase	13,924 USD	18,290 USD
<i>Cost of the continuous monitoring phase^a</i>		
Human resources	1 person 178 hr	1 person 8 hr
Material and equipment	Audit feedback calculation and form	Existing framework for data extraction
Team presentations	1 person 5 hr	1 person 5 hr
Organization and preparation	1 person 3 hr	1 person 3 hr
Total monthly costs for continuous monitoring	10,961 USD	944 USD
Total yearly costs for continuous monitoring	131,531 USD	11,328 USD

Time-based salary= 59 USD/hr

^a for a 1-month monitoring of 200 cases