

Electronic supplementary data

**Screening for intestinal carriage of ESBL-producing
Enterobacteriaceae in critically ill patients: expected benefits and
evidence-based controversies**

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Table S1. Prevalence of intestinal colonization with extended-spectrum beta-lactamase-producing Enterobacteriaceae in intensive care unit patients: selected studies published after 2010

Study features, location and period	Patients, N	ESBL-E carriers			Reference
		Total, n (%)	Imported carriage, n (%)	ICU-acquired carriage, n (%)	
Europe					
Multi-center prospective database, medical/surgical ICU, France (1996-2013)	16,734	594 (3.6)	310 (1.9)	284 (1.7)	[1]
Single-center retrospective study, medical ICU, France (2005-2011)	5,059	166 (3) ^a	76 (1.5)	65 (1.3)	[2]
Single-center prospective study, medical ICU, France (2009-2015)	6,303	843 (13.4)	597 (9.5)	246 (3.9)	[3]
Single-center prospective study, medical/surgical ICU, France (2010)	309	44 (14.2)	25 (8.1)	19 (6.1)	[4]
Single-center prospective study, medical/surgical ICU, Hungary (2010-2013)	330	46 (13.9) ^b	-	-	[5]
Single-center retrospective study, medical/surgical ICU, France (2013-2015)	524	28 (5.3)	17 (3.2)	11 (2.1)	[6]
Single-center prospective study, medical/surgical ICU, France (2014-2015)	470	71 (15.1)	62 (13.2)	9 (1.9)	[7]
Multi-center prospective study medical/surgical and BMT ICU, Germany (2014-2015)	669	51 (8)	50 (7.5)	1 (0.2)	[8]
Mediterranean area					
Single-center prospective study, medical/surgical ICU, Tunisia (2014)	38	11 (28.9)	-	11 (28.9)	[9]
Single-center prospective study, medical/surgical ICU, Egypt (2013)	92	-	31 (33.7) ^c	-	[10]

Table S1 (continued).

Study features	Patients, N	ESBL-E carriers			Reference
		Total, n (%)	Imported carriage, n (%)	ICU-acquired carriage, n (%)	
Asia					
Single-center prospective study, specialized ICU (tetanus), Vietnam (2004-2005)	174	94 (54)	22 (12.6)	72 (41.4)	[11]
Single-center prospective study, medical/surgical ICU, India (2008)	96	-	47 (48.9) ^c	-	[12]
Multi-center prospective study, medical/surgical ICU, China (2009-2010)	686	293 (42.7)	224 (32.6)	69 (10.1)	[13]
Single-center prospective study, medical/surgical ICU, Korea (2011)	85	-	32 (37.6) ^c	-	[14]
Multi-center prospective study, medical/surgical ICU, Korea (2012)	347	109 (31.4)	98 (28.2)	11 (3.2) ^d	[15]
Single-center prospective study, medical/surgical ICU, India (2016)	60	-	39 (65) ^c	-	[16]

Table S1 footnote

ESBL-E, extended-spectrum beta-lactamase-producing Enterobacteriaceae; ICU, intensive care unit; BMT, bone marrow transplant

^a Unclassified ESBL-E carriage (imported or ICU-acquired) in 20 patients; ^b The proportions of imported and ICU-acquired carriage were not mentioned; ^c Rectal swabs were collected at ICU admission only (no surveillance samples); ^d Surveillance rectal samples were collected in only 91 patients among the 249 patients without imported carriage, which probably under-estimated the rate of in-ICU acquisitions.

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