

Supplementary File 6: Studies reporting overall contamination only of a single or specific pathogens

<b>AUTHOR YEAR</b>	<b>SETTING</b>	<b>DEVICE AND NUMBER</b>	<b>OUTCOME MEASURES</b>	<b>CONTAMINATION MEASURED</b>
<b>ALI 2015</b>	Teaching hospital	Unknown number of keyboards	Detection of C. diff	C. diff detected using sponge swab: 3/15 (20%)
<b>ANASTAS-IADES 2009</b>	ICUs at Academic Hospital	14 keyboards and 14 mice	Detection of CNS, Gram-positive bacilli, micrococci, fungi and S. aureus	First round of screening: (Keyboards   Mice): S. aureus: 0/14 (0%)   1/14 (7.1%) CNS: 14/14 (100%)   14/14 (100%) Others (estimated colony counts): Gram positive bacilli: 193   28 Micrococcus: 2   3 Fungi: 14   0
<b>CIRAGIL 2006</b>	Patient and exam rooms, OR, offices, non-clinical areas	56 keyboards in clinical areas	Total bacterial load	MSSE: 23/56 (41.1%) Bacillus: 21/56 (37.5%) Enterococcus: 7/56 (12.5%) MSSA: 1/56 (1.8%) Enterobacter: 6/56 (10.7%) Sphingomonas paucimobilis: 1 (2%) Streptococcus: 1/56 (1.8%) E. coli: 4/56 (7.1%) Corynebacterium: 1/56 (1.8%) Klebsiella ozanae: 1/56 (1.8%)
<b>DEVINE 2001</b>	Nurse stations in 2 district hospital acute medical and surgical wards	25 terminals (keyboard, mouse, mouse pad)	Detection of MRSA	MRSA: 24% total (42% in hospital A and 8% in hospital B)
<b>DUMFORD 2009</b>	Patient rooms, physician and nurse work areas, portable equipment, 3 wards	32 computers in initial survey, 25 computers and 1 mouse in follow up survey	Detection of C. diff	C. diff: 9/32 (28%)
<b>ENGELHART 2008</b>	Non-clinical and clinical areas of a University Hospital	77 computer terminals in clinical areas (keyboard, mouse)	Total bacterial load	S. aureus: 10/77 (13%) Viridans streptococci (Gram-pos bacteria): 8/77 (10.4%) Enterococci: 7/77 (9.1%) Gram negative: 13/77 (16.9%) Molds: 17/77 (22.1%)
<b>FAIRES 2012</b>	3 community hospitals	Unknown number of keyboards	Detection of MRSA or C. Diff	At each hospital: MRSA: 0/8 (0%) samples, 2/29 (6.9%) samples, 2/25 (8.0%) samples C. diff: 0/9 (0%), 0/29 (0%), 3/25 (12%)
<b>FAIRES 2013</b>	2 Medical wards and 1 surgical ward	Unknown number of keyboards	Detection of MRSA or C. Diff	MRSA: 1/55 samples (1.8%) C. diff: 3/55 (5.5%)

<b>FELLOWES 2006</b>	General clinical hospital areas	44 keyboards	Detection of MRSA or MSSA	MSSA: 9/44 (20%) MRSA: 4/44 (9%)
<b>GRABSCH 2012</b>	Hospital	Unknown number of keyboards	Detection of VRE	VRE: 1/9 (11%) swabs
<b>HIRSCH 2014</b>	University department of pharmacy practice	30 iPads	Total bacterial load	S. aureus: 22/30 (73.3%) MRSA: 15/30 (50%) Enterococci: 30/30 (100%) VRE: 1/30 (3.3%) CNS: 29/30 (96.7%)
<b>KIEDROWSKI 2013</b>	Hospital	20 iPads	Detection of C. diff, MRSA	S. aureus: 3/20 (15%) C. diff: 0/30 (0%) Gram-negative: 0/30 (0%)
<b>LU 2009</b>	All ward stations of university hospital	282 stations (keyboard and mouse)	Detection of S. aureus, Pseudomonas, Acinetobacter	MRSA: 3/282 (1.1%) MSSA: 15/282 (5.3%) A. baumannii: 12/282 (4.3%) Other Acinetobacter: 10/282 (3.5%) Pseudomonas: 17/282 (6%) (but none were P. aeruginosa)
<b>MESSINA 2013 (A)</b>	4 different medical units	27 keyboards	Total bacteria count of: Staphylococcus, Pseudomonas, E. coli, total coliform bacteria, C. diff, Acinetobacter	Acinetobacter: 1 (3.7%) E. coli: 11 (40.7%) Coliforms: 21 (77.8%) Enterococci: 4 (14.8%) Staphylococci: 25 (92.6%) MRSA: 6 (22.2%) Molds: 20 (74.1%)
<b>OGUZKAYA-ARTAN 2015</b>	ED	14 keyboards + 5 desktop surfaces	Detection of S. aureus	MRSA: 1/14 (7%)
<b>OIE 2005</b>	Dermatology ward	1 keyboard	Detection of S. aureus	MRSA: 0/4 (0%)
<b>OTTER 2011</b>	Hospital ED and an outpatient HIV clinic	Unknown number of keyboards	Detection of MRSA	MRSA identified on 3 keyboards in the ED and 0 keyboards in the HIV outpatient clinic.
<b>PHUMISANTIP HONG 2009</b>	Hospital patient rooms and nurse station	30 computer terminals (keyboards/mice)	Detection of CRAB	A. baumannii: 3.3% (none were CRAB)
<b>REEM 2014</b>	Exam and imaging rooms, common areas in ophthalmology clinic	16 keyboards	Detection of MRSA/MSSA	S. aureus: 7/24 (29.2%) MRSA: 1/24 (4.2%) MSSA: 5/24 (20.8%)
<b>SENOK 2015</b>	ICU nursing stations	Unknown number of keyboards and mice	Detection of A. baumannii isolates	One MRAB isolate identified on a computer mouse
<b>STAMBAUGH 2009</b>	Dental office	88 keyboards or mice	Detection of Multidrug-resistant organisms	S. aureus: 8/88 (9%) Lactose-fermenting gram-negative rods: 22/88 (25%) CNS: 78/88 (88.6%)

				Bacillus: 23% Enterococcus: 2% Gram-negative rods: 2%
<b>TROCHESSET 2012</b>	School of Dental Medicine	Unknown number of keyboards and mice	Detection of S. aureus	S. aureus: Keyboards: 4/47 (8.5%) Mice: 0/4 (0%)
<b>XU 2017</b>	Medical ICU and neonatal ICU	Unknown number of keyboards and mice	Detection of MRSA	MRSA: 7/19 (36.8%)

Abbreviations: A. baumannii = Acinetobacter baumannii, C. Diff = Clostridium difficile, CNS = Coagulase-negative staphylococcus, CRAB = Carbapenem-resistant Acinetobacter baumannii, E. Coli = Escherichia coli, ED = Emergency department, ICU = Intensive care unit, MRSA = Methicillin-resistant Staphylococcus aureus, MSSA = Methicillin-sensitive Staphylococcus aureus, MSSE = Methicillin-susceptible Staphylococcus epidermidis, OR = Operating room, P. aeruginosa = Pseudomonas aeruginosa, S. aureus = Staphylococcus aureus, VRE = Vancomycin-resistant Enterococcus