

Supplementary File 4: Studies reporting overall contamination as colony forming units (CFU)

AUTHOR, YEAR	SETTING	DEVICE AND NUMBER	CONTAMINATION MEASURED USING CFUs
ALBRECHT 2013	10 clinical wards	10 iPads	1842 total CFU found overall iPads (162 median CFU per device)
AL-HAMAD 2008	Nurse station in hospital	Unknown number of keyboards	From nurse station areas without cleaning policy: 4 CFU/cm ² (± SE: 2.75, 5.25)
CHOI 2014	Endoscopy rooms of 2 tertiary hospitals	Unknown number of keyboards and mice	Doctor's computer keyboard: 974 CFU Nurse's computer mouse: 764 CFU Doctor's computer mouse: 180 CFU Endoscopy keyboard: 595 CFU (approx. from graph)
FARIAS 2017	Renal transplant ward in tertiary hospital	1 keyboard	<20 CFU/100 cm ²
FUKADA 2008	OR, ICU, consulting room and outpatient reception area	Unknown number of keyboards	Mean bacterial counts CFU/ml (SD): OR: 333 (141) ICU: 1015 (501) Consulting room and reception area for outpatients: 1113 (1420)
GERBA 2016	Hospital	17 computer touch screens	Average number of bacteria on touch screens was 2,257 CFUs (800-1,000/ cm ²).
JONES 2015	ICU	8 keyboards for controlled study + 24 keyboards for intervention	57% keyboards had contamination of >500 CFU before cleaning
JUNGNICKEL 2014	Several clinical departments and wards at a Medical School	5 iPads	2,033 CFU in total (median: 416) counted on the 5 devices
LINK 2016	Operating room	Unknown number of keyboards and mice	Median CFU/cm ² (min, max): Keyboard: 0.47 (9.9, 61.67) Mouse: 0.26 (0.0, 35.26)
MALTA 2016	Dental radiology clinic at a public educational institution	Unknown number of keyboard and mice on radiological equipment	<u>Intraoral:</u> (mean CFU before/after clinical use) Cocci: mouse (.05/0) keyboard (0.1/0.01) GNB: mouse (0/0), keyboard (0/0) Fungi: mouse (5.9/0.05), keyboard (0.78/0.13) <u>Extraoral:</u> Cocci: mouse (0.03/0.1) keyboard (0.46/0.2) GNB: mouse (0.01/0) keyboard (0.2/0.36) Fungi: mouse (0.18/0.01) keyboard (0.36/0.16)
MOTTA 2007	Undergrad dental school clinic	4 keyboards	Mean CFU ranged from 0.23 to 1.03 before, 2.26 to 2.64 during, and 0.66 to 1.46 after clinical procedures.
WILSON 2008	ICU	32 keyboards	For Medigenic keyboards, baseline contamination rates ranged from 38-65 CFU, depending on the alarm interval set

Abbreviations: CFU = Colony forming units, ICU = Intensive care unit, OR = Operating room, SD = Standard deviation