

CLINICAL DATA SUMMARY:

Multiple clinical investigations have been conducted to quantify the level of contamination on cell phones and the effectiveness of phone cleaning guidelines.

DESIGN	PUBLICATION	KEY POINTS
Clinical Study	<p>Surveillance study of bacterial contamination of the parent's cell phone in the NICU and the effectiveness of an anti-microbial gel in reducing transmission to the hands.</p> <p>Journal of Perinatology (2013) 33, 960-963; doi:10.1038/jp.2013.108; published online 5 September 2013</p>	<ul style="list-style-type: none"> Bacterial contamination of cell phones may serve as vectors for nosocomial infection in the neonatal intensive care unit (NICU). Bacteria transmitted from cell phone to hands may not be eliminated using anti-microbial gel. Development of hand hygiene and cell phone cleaning guidelines are needed regarding bedside cell phone use.
Clinical Study	<p>Use of Cellular Telephones and Transmission of Pathogens by Medical Staff in New York and Israel.</p> <p>Infection Control and Hospital Epidemiology, Vol. 28, No. 4 (April 2007), pp. 500-503</p>	<ul style="list-style-type: none"> One-fifth of the cellular telephones examined in this study were found to harbor pathogenic microorganisms, showing that these devices may serve as vectors for transmission to patients.
Clinical Study	<p>Investigation of Cell Phones as a Potential Source of Bacterial Contamination in the Operating Room.</p> <p>Copyright 2015 by the Journal of Bone and Joint Surgery, Incorporated.</p>	<ul style="list-style-type: none"> The cell phones of orthopedic surgeons had a high rate of pathogenic bacteria and organic material contamination. Both pathogenic bacteria and organic material contamination were decreased after a single disinfecting process. However, recontamination occurred.
Clinical Study	<p>Are we aware how contaminated our mobile phones with nosocomial pathogens?</p> <p>Published: 6 March 2009 Annals of Clinical Microbiology and Antimicrobials 2009, 8:7 doi:10.1186/1476-0711-8-7</p>	<ul style="list-style-type: none"> In total, 94.5% of phones demonstrated evidence of bacterial contamination with different types of bacteria. Distributions of the isolated microorganisms from mobile phones were similar to those of hands isolates.
Clinical Study	<p>Isolation frequency of Candida present on the surfaces of mobile phones and hands.</p> <p>Kordecka et al. BMC Infectious Diseases (2016) 16:238 DOI 10.1186/s12879-016-1577-0</p>	<ul style="list-style-type: none"> Out of 175 mobile phones, 131 (74.9 %) were colonized. Candida glabrata, C. albicans and C. krusei were isolated more frequently from the hand as well as phone surface.

