

# Meet the challenges of patient and clinician safety head-on.

Deliver healthcare-grade safety with HP Healthcare Print Solutions

At HP, we believe that technology in healthcare must support wellness for patients, their families, and clinicians. HP's made-for-clinician print solutions are specially designed for patient-first healthcare teams operating in the age of epidemic viruses. They're made to support infection prevention protocols, meet indoor air quality criteria,<sup>1</sup> and are certified to mitigate electromagnetic interference (EMI).

To support your efforts to protect patients and clinicians, HP Healthcare Edition Printers address some of the common safety challenges healthcare organizations face.

1.7m

HAIs in the US cause approximately **1.7 million infections** and 99,000 deaths each year.<sup>2</sup>

10k

HP Healthcare Edition Printers are tested to withstand up to **10,000 wipes**.<sup>3</sup>

## CHALLENGE:

Hospital-acquired infections (HAIs) impact 1 in 31 patients.<sup>1</sup>



## SOLUTION: Disinfectable and sterilizable printers and multifunction printers

Unlike many IoT and compute devices, HP and Zebra devices are built with healthcare in mind. They are tested to withstand repeated disinfection with bleach and hydrogen peroxide industry-standard wipes without damaging the surfaces.<sup>3</sup> This means your teams can follow infection prevention protocols without worrying they'll damage these devices. HP Healthcare Edition Printers also include silicon covers for high-touch areas, which can be easily removed and autoclave sterilized up to 200 cycles.<sup>4</sup>

"We swabbed the bathroom floor, the doorknobs, the countertops, and the printer. One of the highest bacterial counts wasn't in the bathroom, but on that printer. It's an interaction point that we need to consider more carefully as we look at improving infection control efforts."

□ **Doe Kley, RN, MPH, CIC, T-CHEST,**  
**Senior Infection Preventionist for**  
**The Clorox Company and Lecturer**  
**for The Ohio State University (OSU)**



## CHALLENGE:

High levels of volatile organic compounds (VOCs) can hurt air quality.



## SOLUTION: Ink and toner that meet eco-label emission criteria<sup>1</sup>

Maintaining indoor air quality and keeping your care teams and patients safe is an HP priority. Our solutions are designed with health in mind. Original HP Ink and Toner cartridges are designed to follow strict indoor air quality criteria. HP voluntarily designs and tests its printing systems to prevent emissions that exceed eco-label guidelines.<sup>1</sup>

## CHALLENGE:

Electromagnetic interference (EMI) can disrupt sensitive equipment.



## SOLUTION: Devices that meet EMI standards

HP Healthcare Edition Printers and Zebra HC handheld devices can be used close to patients and in shared areas with sensitive medical equipment. They are EN/IEC 60601-1-2 medical-grade certified to meet international emissions standards for EMI,<sup>5</sup> and they're among the only multifunction printers to carry this patient safety certification. You can use these technologies knowing they won't interfere with diagnostic tools, life support systems, and other critical equipment.

Put safety first with  
HP Healthcare Print Solutions.

1. An HP printing system consists of HP printer, paper and Original HP supply. Blue Angel DE-UZ 205 emissions criteria or earlier versions of criteria applicable when printing system launched.
2. Centers for Disease Control. "Health Topics - Healthcare-associated Infections (HAI)." January 22, 2019. <https://www.cdc.gov/policy/polaris/healthtopics/hai.html>
3. Tested on select Healthcare Edition platforms available in Spring 2020 including HP Color LaserJet Managed Flow MFPs, HP PageWide Color Managed Flow MFPs and HP LaserJet Managed Flow MFPs. Solutions tested as of September 2019. Chemical composition is subject to change. Tested to simulate up to 10,000 wipes with germicidal towelettes on Control Panel and Keyboard over a 3-year period. See user guide for cleaning instructions. Repeated use of these germicidal wipes may cause some cosmetic changes to the product.
4. HP Healthcare Edition for Print devices are equipped with at least one set of sterilizable, sanitizable drapes (made of VMQ silicone). In addition to the cleaning and disinfection guidance previously detailed, these drapes can be removed, immersed in soap and water or a recommended disinfectant solution (please refer to recommended Healthcare Edition for Print cleaning formulas in the user guide). For further sterilization purposes, these drapes can be exposed to Hydrogen Peroxide Vapour (HPV). Also, the drapes are sterilizable in an autoclave or thermo disinfectant at temperatures up to 134 oC (270 oF). HP recommends that the drapes be replaced after 200 sterilization cycles in an autoclave. Please contact your HP representative for replacement drapes when necessary. Approved and tested cleaning and disinfectant formulas for VMQ silicon-based drapes covering surfaces for HP Healthcare Edition for Print include: Chlorine based, up to 100,000 ppm (10%) bleach content; Formaldehyde based, up to 370,000 ppm (37%) formaldehyde content; Oxidizing, such as Hydrogen Peroxide, up to 30,000 (3%) ppm content; Quaternary Ammonium, up to 20,000 ppm (2%) content. Customers may experience some visible changes to cosmetic finishes over time as a result of these cleaning techniques.
5. HP Healthcare Edition MFPs are EN/IEC 60601-1-2 certified. They are general-purpose printing and multi-function printing devices and are not intended for use in diagnosis, disease, or other medical conditions.