



IQAir stand-alone air cleaner reduces risk of MRSA contamination

An IQAir Cleanroom H13™ air purifier can significantly reduce MRSA contamination in patient isolation rooms, according to a study conducted by the Department of Biology at Nottingham City Hospital (U.K.).

Methicillin-resistant *Staphylococcus aureus* (MRSA) is a bacterial infection that is highly resistant to antibiotics and thus difficult to treat. Hospitals, nursing homes, gyms, and even pediatric nurseries are at elevated risk of the spread of MRSA infections. According to the Centers for Disease Control, MRSA in healthcare settings typically causes severe and life-threatening infections, including bloodstream infections, surgical site infections and even pneumonia. Outside of hospitals and other healthcare settings the condition often appears as a skin infection.

In the Nottingham City Hospital study, the researchers measured surface contamination in rooms without air filtration in comparison to rooms with the IQAir Cleanroom H13 operating at various airflow rates. A strong association was noted between air filtration rates and the mean number of MRSA “colony-forming units” on surfaces in the room. The study concluded: “Placing IQAir portable HEPA-filtration units within MRSA isolation rooms can significantly reduce the contamination of environmental surfaces with MRSA.” The study was published in the *Journal of Hospital Infection* and is available online at www.sciencedirect.com.