

AVIATION



Bacoban can be used for general surface cleaning of aircraft and equipment.

Our Vaporiser, automatic, fast, dry and long-lasting certified up to 10-day disinfection in minutes.

Read more about “The New Way of Disinfection” for today aviation standards.

BACOBAN is certified International aviation approval status

- AMS1451B – Aircraft Disinfectant for Use in Cargo Compartments.
- AMS1452B – Aircraft General Purpose Disinfectant.
- AMS1550B.
- Boeing D6-7127 Rev P – Interior Cleaning of Commercial Transport Aircraft.
- Boeing D6-17487 Rev T – Exterior & General Cleaners.

Missed connections and lost bags might not be your biggest worry when travelling. Researchers have found that nasty, contagious bacteria can last for days on airplane surfaces.

James Barbaree, a pathologist at Alabama’s Auburn University, and colleague Kiril Vaglenov were curious about how long bacteria could last under typical air travel conditions. They applied smears of methicillin-resistant *Staphylococcus aureus* (MRSA) and the virulent *E. coli* strain O157:H7 to six airplane surface types — armrests, plastic tray tables, metal toilet buttons, window shades, seat pocket cloths and leather — which were supplied by an unnamed major airline.

What they found was disturbing. **MRSA lasted for 168 hours, or seven days**, on seat pockets (where travellers reach for magazines and store their iPads), while **E. coli samples thrived for up to four days** on armrests. Barbaree and Vaglenov rubbed pig skin on the tainted surfaces

to mimic contact with human flesh. They found that the less porous the surface, the more transmissible the bug.

Bacteria survived longer, however, on more porous surfaces, such as seat pockets, though they were much less transmissible than those on, say, a tray table.

The researchers are now performing the same tests on **Streptococcus pyogenes**, which causes strep throat. They are also testing cleaning agents that might help prevent bacterial stowaways.

For now, Barbaree says regular hand-washing is probably the best way to prevent the spread of disease. He says he and his wife now take alcohol wipes with them on flights.

And the next time you're waiting to get on a plane, ponder this: There are no federal cabin-cleaning regulations.

See Covid 19 - up to 28 days:

<https://www.theguardian.com/world/2020/oct/12/virus-that-causes-covid-19-can-survive-up-to-28-days-on-surfaces-scientists-find>

Other study:

<https://www.ctvnews.ca/health/bacteria-can-survive-on-plane-surfaces-for-days-new-research-finds-1.1829239>

Do You Know Where the most germs Live in Airports and on Airlines?

It's not where you think

If you travel on the airlines for business or pleasure, you're going to meet hidden germs along the way from the airport to the airplane. If you know where the most germs are hiding in the airports and on the airlines, it could mean the difference in keeping you healthy on your next trip. Good health is everything when you travel because you want to enjoy your adventure.

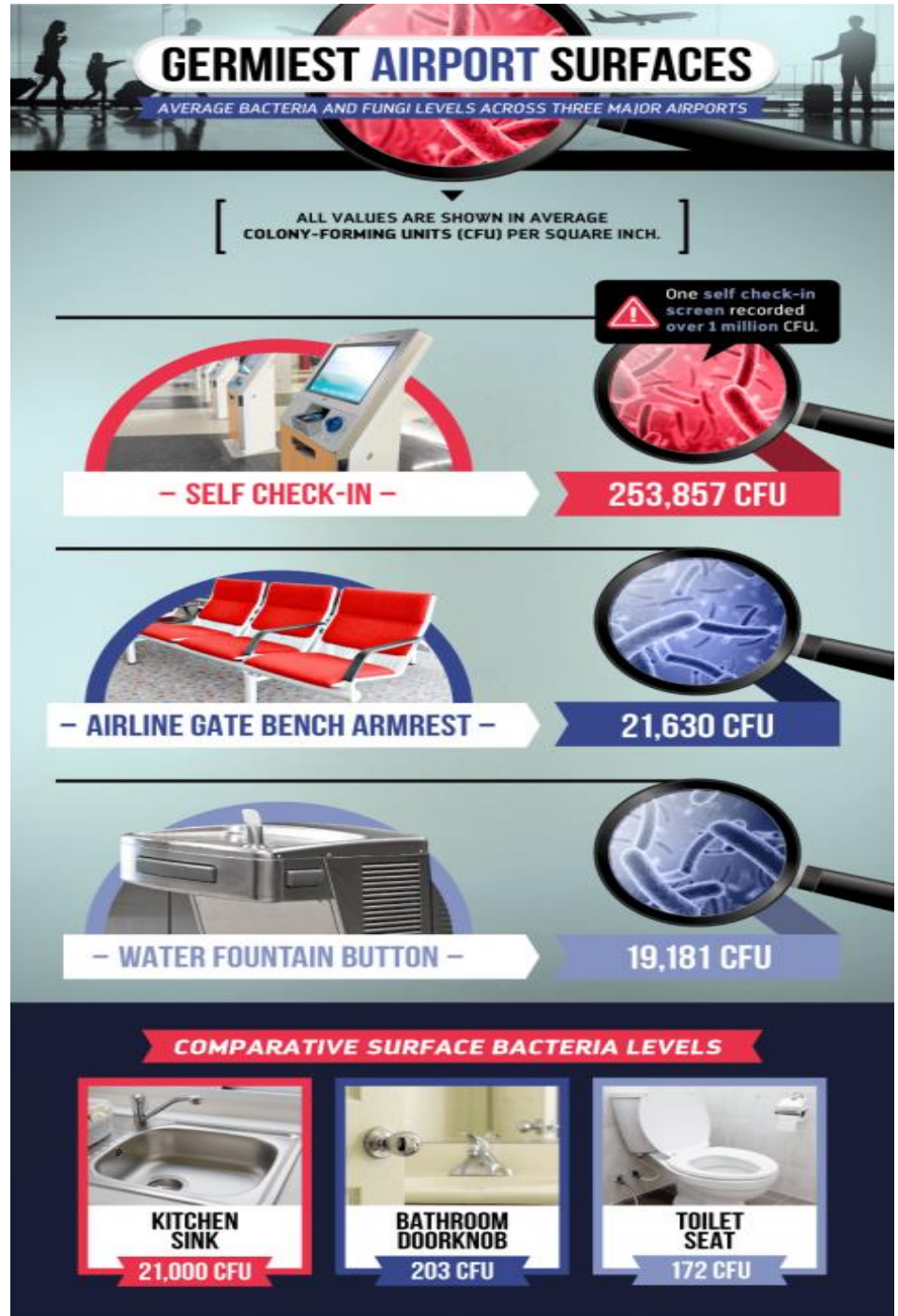
InsuranceQuotes.com recently conducted 18 bacterial tests on six surfaces at three major U.S. airports and airline flights. According to the results of the test, there are three top areas at the airports and three top areas on the airlines with the largest collection of bacteria most likely to make you sick.

The bottom line is to pack a few items you deem necessary in your carry-on for peace of mind including hand sanitizer, disinfecting wet wipes, a travel pillow, and a travel blanket, these few items can make all the difference in the world for your health.



THE TOP THREE AIRPORT SURFACES WITH HIGHEST COLLECTION OF BACTERIA:

- SELF CHECK-IN KIOSKS.** Think about how many people have touched the buttons on the kiosks before your arrival at the airport. Regular travellers use kiosks to save time so it's important to take a hand sanitizer with you on your next airline flight.
- AIRLINE GATE BENCH ARMREST.** Travelers oftentimes wait for an hour or more at the gates. As a result, they're using the toilet or eating at the gate benches and touching the armrest repeatedly. Have they washed their hands when they used the facilities? Have they touched the floor when they picked up their bag? It might be important to take a travel size of disinfecting or sanitizing wet wipes with you to wipe down the armrest.
- WATER FOUNTAIN BUTTON.** If you travel regularly, you might consider avoiding the water fountain and buying bottled water instead.

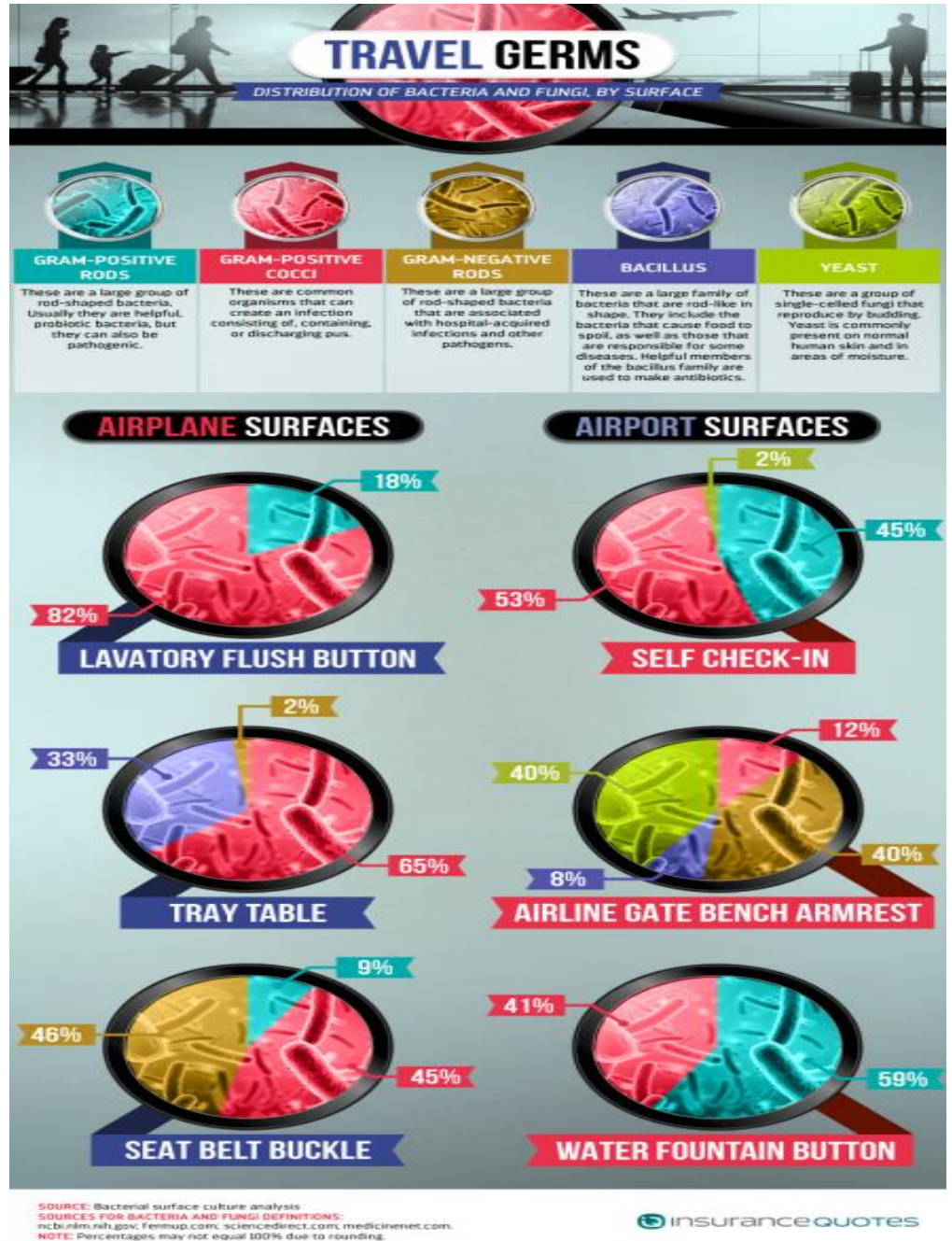


SOURCE: Bacterial surface culture analysis
NOTE: Other common surface CFU counts sourced from the NSF International Household Germ Study

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TOP THREE SURFACES ON AIRLINES WITH THE LARGEST COLLECTION OF BACTERIA:

- LAVATORY FLUSH BUTTON:**
Grab a paper towel and push the flush button instead of using your bare hand.
- AIRLINE TRAY TABLE:**
Think about how often they wash those tray tables. Use those sanitizing wet wipes to freshen that surface before you take off. You'll have better health by the time you arrive at your next destination.
- SEAT BELT BUCKLE:**
Every traveller is required to wear the seatbelt, so you have to touch it. But those disinfecting wet wipes will come in handy one more time.



Bacoban is already a cleaning and disinfection choice for general aircraft and equipment. Bacoban's, certified residual effect lasting up to 10-day, can help eliminating infection risks, including **Covid 19**, so secure sanitation standards are maintained.

The New Dimension in Infection Control

Covid 19 has dramatically slowed the aviation industry for commercial airlines, cargo and business jet sectors. Implementation of world class products and services more than ever includes new and certified ways of disinfection.

Public transport means coming into contact with a high number of different people and higher contamination risk. Air transport, encountering foreign places and environments, implies we need to have new disinfection protocols. "The Bacoban Advantage" provides for a long-term protection certified up to 10-day against new contamination in this high-risk environment.

Bacoban's advanced Nano-based formulation is being used for general surface cleaning of aircraft and equipment. While effective at reducing infection risks, personal hygiene is and always will be on the front line for protecting against cross-contamination.

Bacoban for Aviation:

- Bacoban kills bacteria, fungi and viruses, including Covid 19, and offers up to 10-day continuous protection against such organisms as, Covid 19 and other Coronaviruses, Influenza, Ebola, HIV and MRSA. (See complete list)
- Provides a long-term antiviral, antibacterial and antifungal Nano-based coating that is highly durable, reduces cleaning time by up to 50% and can be applied on any interior surface.
- Bacoban is technically advanced, biocompatible, **Ready-to-Use** cleaning and disinfection at once. It is easily self-implementing as new protocols and/or integrated into established disinfection procedures.

Bacoban cleans and disinfects in a single operation

- Your seating environment
- Aircraft galleys, rest areas, cabins, toilets.
- Food preparation areas.
- All surfaces, including those that are not commonly touched by passengers.

Contact us for more information

info@bacobaninternational.com