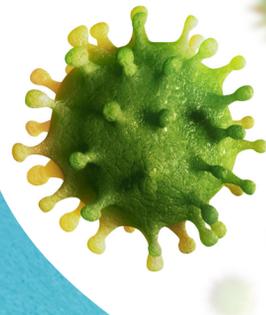


Invisible Threats in Pool Water



Bacteria, Viruses, and Fungi

Pool water may look crystal clear, but it can still harbor invisible health threats—understanding which pathogens survive and why is key to keeping swimmers safe.



Pool Pathogens You Can't See

E. coli

Can cause harmful gastrointestinal illness

Candida

This fungi can lead to skin or nail infections

Giardia

Causes diarrhea and abdominal cramps

Cryptosporidium

Resistant to chlorine, causes diarrhea

Pseudomonas Aeruginosa

Linked to skin rashes and ear infections

Did You Know?



1 in 8 public pool inspections result in immediate closure due to health violations.¹



Cryptosporidium outbreaks are increasing yearly, per CDC reports.²



Proper secondary sanitization can reduce pathogen risk by 99.9%³

Who's at Risk?

Children, elderly swimmers, and immunocompromised individuals face higher risk of illness from contaminated pool water.

How Germs Survive in Chlorinated Water

Cryptosporidium can survive in chlorine for up to 7 days

High swimmer load increases organic contaminants

Poor pH levels reduce chlorine's effectiveness

Advanced Sanitization for Safer Water

Protecting swimmers requires more than standard treatment.

Solutions Include:



UV-C Systems:

Destroys the DNA of microorganisms



Ozone Treatments:

Powerful oxidizer that breaks down biofilm



Secondary Disinfection Systems:

Adds layers of protection



Automated Chemical Monitoring:

Maintains ideal pH and chlorine level

Modern Pool Safety Programs

Today's commercial pools require proactive, multi-layered strategies to maintain swimmer health and meet regulatory standards.

Best Practices Include:



Utilizing powerful, industry-leading sanitation treatments like UV-C and ozone



Implementing ongoing monitoring to detect and eliminate dangerous pathogens in real time



Maintaining compliance with local and national health codes through automated testing and documentation systems



Resources:
1. https://archive.cdc.gov/www_cdc.gov/media/releases/2016/p0519-public-pools.html
2. <https://www.cdc.gov/mmwr/volumes/70/wr/mm7020a1.htm>
3. <https://www.phta.org/pub/?id=5408B6FA-1866-DAAC-99FB-4132FC16F1B6&>