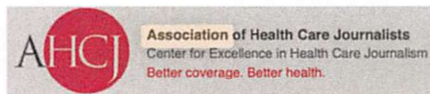




AMERICA TALKS HEALTHSM SPECIAL REPORT

Copyright 2025 AmericaTalksHealth, L.L.C.



Dr. Keith A. Robinson, D.D.S., C.C.C., D.A.A.E.T.S.

Maxillofacial Prosthodontist/Health Editor

“The Mask Myth: Why Most Medical Masks Don’t Stop What You Think They Do”

They’re everywhere—on patients, doctors, and the public. Thin blue masks that promise protection. But beneath the comfort of that idea lies a hard truth: **most medical masks were never designed to stop the infections people fear most.**

Standard surgical masks are meant to **block splashes and droplets**, not the microscopic aerosols that hang in the air for hours. When you breathe, talk, or cough, invisible aerosols—tiny particles, carrying bacteria, viruses, or molds—flow freely through the gaps around the mask, and sometimes even through its fibers.

“The public often confuses ‘filtration’ with ‘prevention,’” says Dr. Keith A. Robinson, D.D.S., C.C.C., D.A.A.E.T.S., founder of **CloudEvac Technologies**. “A cloth or paper mask might catch large droplets of mucous moving at 50-100 MPH, but it doesn’t stop airborne pathogens that float like smoke.”

Studies have shown that **over 90% of airborne transmission** occurs through aerosols smaller than 5 microns—particles that glide through standard mask fabric. These pathogens ride air currents in hospital corridors, waiting rooms, and imaging suites. The result: both patients and healthcare workers remain vulnerable, even when masked.

CloudEvac Technologies developed **PathoShield™**, a new facial protection system that seals around the face and filters all incoming and outgoing air through **respirator-grade filtration**, shielding the **eyes, nose, and mouth**—the real portals of infection. It can even integrate low-volume oxygen flow for patients with respiratory compromise.

The difference is design, not decoration. Where most masks sit loosely on the face, PathoShield™ is **facially supported**, fog-free, and built to stop aerosols before they enter or escape.

As Dr. Robinson puts it: “We’ve spent years treating infections instead of stopping them. It’s time to build protection that actually works.”

The next time you reach for that thin blue mask, remember—comfort isn’t the same as safety.

America Talks HealthSM — Because the truth about prevention could save your life.

