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INDEPENDENT RESEARCH BOARD RELEASES GROUNDBREAKING COVID-19 PROTOCOLS - SETS STAGE FOR SCHOOLS, BUSINESSES TO REOPEN, FAMILIES REUNITE

OXFORD, Miss. (March 25, 2021) – The Independent Shared Air Strategic Research Board (ISASRB), sponsored by Mission-Next, released groundbreaking protocols today aimed at helping businesses, schools and families go on the offensive against the Covid-19 pandemic. Developed using a wartime mindset, these models will start community leaders down a path to reopening the country safely using established guidance with new technologies into one integrated model that can be tailored to meet specific requirements to protect shared indoor air.

These protocols were approved by an independent research group of volunteers operating remotely from across the country, led by Lt. Gen. (ret) Dr. Paul K. Carlton, Jr., who served as the 17th Surgeon General of the Air Force and Dr. Qingyan “Yan” Chen, the distinguished Dwyer Professor of Mechanical Engineering at Purdue University. This cross-functional, multidisciplinary team of subject matter experts developed the protocols to not only address the challenges on the current war on COVID, but also future bio-threats our country could face.

“Our goal was to provide implementation guidance that will be tailored to businesses, schools, families and communities,” said Dr. Mark Ervin, lead physician scientist of the working group and CEO of Op Med Solutions. “These protocols could be used to write a unique prescription for each building to best protect its occupants.”

The ISASRB has placed these protocols in the public domain to encourage wide dissemination and discussion. The group plans next to engage with stakeholders in the education sector to tailor the protocols to the specific activities that happen in schools. Their goal is to help protect students, teachers, staff and visitors as our schools reopen. This will set the stage for leaders in other infrastructure sectors to take these considerations and apply sustainable solutions to their tailored needs and future plans.

“This board was able to develop a definitive and systematic set of recommendations that align with CDC, WHO, public health, sanitation and engineering guidance and the ISASRB analyzed and concurred with their considerations,” said Dr. Chen. “This method can now be applied methodically by the infrastructure sector, looking not only at efficacy but also cost effectiveness as key considerations. I am very proud with what they were able to accomplish.”

The independent research board is sponsored by Mission-Next, LLC, a family and veteran owned business. The board provides a clearing house of trusted, unbiased and systematic analysis of established and emerging technologies.

“This war on COVID is a national priority,” said Lt. Gen. (ret) Carlton. “We set out to create science-based solutions that could impact everyone from big business to underserved communities. This is about people, and this is about our country...the safety of our communities, our children and the future. We are excited to share these protocols with the world.”

Learn more about the [Independent Shared Air Strategic Research Board](#) here.

For media inquiries, please contact media@mission-next.com

Independent Shared Air Strategic Research Board (ISASRB) Layered Protocols		
Version: 3.23.21		
Emerging Concepts	LAYER 8	INTEGRATE PROTOCOLS INTO EMERGING SOCIETAL MACRO TRENDS Ensure all-hazard pathogens protection and indoor air quality protocols are responsive to broad societal demands.
	LAYER 7	IDENTIFY AND ANALYZE EMERGING TECHNOLOGIES Identify and analyze emerging technologies for combatting all-hazard pathogens and enhancing indoor air quality.
Engineering Controls	LAYER 6	DEPLOY ADD-ON TECHNOLOGY TO CURRENT AIR HANDLING SYSTEMS Consider ionization technologies (stand-alone or integrated into heating, ventilation, and air conditioning systems). Consider low level ionized hypochlorous acid.
	LAYER 5	INTRODUCE ADVANCED PATHOGEN SCAVENGING TECHNOLOGY (ACTIVE AND PASSIVE) Consider deploying non-ozone producing photocatalytic processes (stand-alone or integrated into heating, ventilation, and air conditioning (HVAC)). Consider emerging surface resistant coatings.
	LAYER 4	OPTIMIZE BALANCED CONTROL OF EXISTING AIR HANDLING SYSTEMS (UPGRADE AS NEEDED) Consider more aggressive HVAC system maintenance by professionals. Consider monitor and correct humidity level. Consider introducing positive pressure filtered fresh air supply. Consider ongoing monitoring of indoor air quality for optimal conditions to resist respiratory pathogen spread. Consider high-efficiency particulate air (HEPA) filtration with consideration of terminal pathogen killing (e.g. ultraviolet light).
	LAYER 3	EXECUTE IMMEDIATE ACTION TO PREVENT/MINIMIZE AIRBORNE SPREAD Consider increasing air turnover using HVAC system. Consider installing physical barriers. Consider providing directional air flow as a virtual barrier. Consider surveying/mapping/mitigating air flow hazards in high-risk public indoor spaces.
Informational and Administrative	LAYER 2	INTEGRATE CURRENT CDC AND PUBLIC HEALTH GUIDELINES Integrate current CDC and Public Health recommendations while reinforcing the importance of education and personal responsibility to protect the community.
	LAYER 1	EDUCATE THE COMMUNITY The American people are smart and care for each other. Therefore, education is the foundation to understanding potential threats posed by COVID and other infectious pathogens and how to mitigate individual and community risk. Deploy an effective multimedia education plan tailored to specific sectors of the public which informs and encourages individuals on appropriate actions. Reinforce educational messaging using influential and trusted members of the community.
	LAYER 0	GATHER CURRENT RESEARCH, ANALYSIS, AND SYNTHESIS Utilize an Adaptive Planning and Execution (APEX) model to assess credible information, analyzing it with a cross functional team of subject matter experts, community leaders, private enterprise, and public officials to develop effective, affordable, and sustainable models which provide strategic guidance to community stakeholders. Ensure that all recommendations are safe and effective based on the best available science at the time of creation. Assume an action-based mentality such as utilizing an Observe, Orient, Decide, Act (OODA Loop) model for rapid and continuous improvement as knowledge and best practice advance.

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*All protocols are subject to change based on emerging science and practice. Visit mission-next.com/irb for latest protocol version

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