PHAN
PUBLIC HEALTH ACTION NETWORK

A healthier world, one breath at a time.

Our mission is to unify global public health efforts focused on airborne pathogens and clean air quality. We are creating scalable platforms that provide clear, verified public health information about pathogens, clean air, safe locations, providers, and treatments, using AI and natural language models. These user friendly solutions will help everyone who is looking for high-quality information to keep themselves, their families, and their communities safe and healthy.

What is Public Health Action Network (PHAN)?

We are a 501c3 that is developing a platform with AI tools and natural language processing (NLP) models for global collaboration and education around air quality improvement and airborne infectious disease prevention. We are currently working with expert advisers from multiple fields on tools that will aid in the fight against COVID-19 and Long COVID, but these tools will be able to be adapted to address the threats posed by new pathogens.

Problems we address

Info on COVID-safe spaces is scattered and not current

Information about COVID-safe businesses, providers, advocacy organizations, and support groups is scattered across hundreds of websites and frequently is not kept up to date, making it difficult to live a COVID-safe life.

Info for Long COVID patients is hard to find

Information about treatments and providers for Long COVID patients is difficult to find, with much of the knowledge being anecdotal, or found only on specialized forums. Long COVID patients don't know who they can go to or what treatments might work for them.

Easily understandable verified research is hard to find

Trust in public health institutions is declining. The U.S. healthcare industry is now viewed positively by only 31% of Americans, the lowest number since 2011. Meanwhile, disinformation on social media has obscured good information. As a result, many people feel like they have do their own research but without enough useful context.

Public lacks understanding of airborne pathogens

A recent Pew survey found 80% of Americans are not masking in indoor public spaces. We believe that the general public doesn't understand how airborne pathogens are making them sick because they can't see the particles.

Our Projects/Solutions

SAFER (Safe Access to Facilities and Essential Resources)

Global directory of safe businesses, schools, medical providers, and other facilities, and an online community to share information, which will let many COVID-conscious people enjoy a safer lifestyle.

CARE (Conversational AI for Research and Engagement)

A cutting-edge conversational AI & NLP platform to give Long COVID patients specific and relevant information about clinical trials, specialists, and verified therapies. This will present verified research and anecdotal data that could dramatically improve many Long COVID patients' lives.

CLEAR (COVID Learning & Engagement with Academic Research)

A conversational AI and NLP platform that will provide users with verified, peer-reviewed research on COVID-19 and other airborne diseases and best practices. This will become a shareable resource of reliable, up-to-date information from a carefully curated selection of research papers, presented at any level of knowledge.

AIRWISE (Airflow Infection Risk Innovative Simulation Engine)

Interactive, science-based simulation tool using computational fluid dynamics (CFD)-inspired modeling to show airborne pathogen particles depending on various inputs like number of people, size of the room, and types of air filtration.

Our Team

- Chairman : Ian Goodfellow, Ph.D. – Principal Scientist at Google Brain and inventor of AI GAN networks.
- Board member: Ziyad Al-Aly, M.D. – Global leading Long COVID researcher, director of the Clinical Epidemiology Center and Chief of R&D at the Veterans Affairs St. Louis Health Care System, clinical epidemiologist at Washington University in St. Louis.
- Board member: Phillip Alvelda – Leader in AI healthcare, pioneer in the field of mobile TV, DARPA program manager
- CEO: Tarz Ludwigsen – Forward thinking R&D leader with a history of developing solutions in emerging industries.
- Communications Manager: Theresa O'Connor – Communications professional with a history in health and human services nonprofits
- Development Manager: Debra Rosen – Development and outreach professional with a history with media companies and nonprofits

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