

# AEROMEDICAL SAFETY COALITION

## Safer skies through healthier pilots and controllers

The **Aeromedical Safety Coalition (ASC)** was formed in 2024 by leaders from US airlines, pilots' unions, and the government. We aim to elevate physical and mental health as preventative mitigations for aviation safety risks and to improve the future state of Federal Aviation Administration (FAA) medical certification.

The not-for-profit MITRE Corporation serves as an independent, conflict-free convener and connector for this voluntary, member-led initiative.

### ASC Purpose and Principles

ASC members collaborate strictly for safety, via voluntary, privacy-protected research.

By consensus, ASC members define the nature of our work together – such as ethical research with data protections and other activities prioritized in our Roadmap – to enhance the proactive health of pilots and air traffic controllers and aviation safety.

### ASC Mission and Goals

We are driving innovation in managing aviation safety risks related to mental and physical health through information sharing and system-of-systems analysis. Our goals include:

- Elevating and normalizing health and human performance as safety topics.
- Reducing uncertainty about medical-related aviation safety risks and mitigations.
- Fostering ongoing Safety Management Systems-based integration, coordination, and education.
- Reducing negative consequences stemming from health issues that can affect pilots, air traffic controllers, airlines, the flying public, and the US economy.
- Promoting both Safety I and II approaches that mitigate negative events and promote preventative measures.
- Optimizing the future of medical oversight for pilots and air traffic controllers.

### ASC Members

Airlines  
Airline associations

Pilots  
Pilot associations

Healthcare professionals  
Aeromedical researchers

FAA

## Advancing, Expanding and Accelerating

Over time, we plan to conduct more complex, privacy-protected studies that illuminate the linkages between health, human performance, and safety.

We will do this by:

- **Maturing our capabilities** by accessing and automating new types of data collection
- **Answering increasingly complex questions** through advanced, reusable risk models
- **Strategically expanding our membership** to include air traffic controllers and other types of partners
- **Expanding impact** through increased visibility and co-resourcing of activities

The results of these studies will ultimately help the FAA, airlines, and unions to expedite aeromedical risk decisions that promote proactive health while sustaining aviation safety.

## The ASC in Action

### Studies

We conduct action-oriented studies about mental and physical health and their relation to human performance and aviation safety—focusing on topics where data may not exist and trust needs to be established.

Our studies range in size and scope, from tabletop exercises to expert elicitation and risk modeling. For example, the ASC's first study employed a mixed methods approach to characterizing US mainline passenger pilot peer support programs as a potential aviation safety risk control.

### Papers

We develop position papers to advance the field of aeromedical safety and spur innovative thinking, such as a protected medical safety self-reporting program based on Aviation Safety Action Program.

### Other Activities

Our ASC Roadmap represents the portfolio of activities that members have prioritized.

## About MITRE

MITRE is a not-for-profit organization committed to the public interest. MITRE delivers objective, cost-effective solutions for U.S. civil and defense agencies. Through public-private partnerships (PPPs) and federally funded research and development centers (FFRDCs) that we operate, MITRE works across government and in partnership with industry and academia to solve our nation's biggest challenges.

## Interested in learning more or joining the ASC?

See <https://sites.mitre.org/asc>, email us at [ASC@mitre.org](mailto:ASC@mitre.org), or contact one of our Tri-chairs:

### AIRLINE

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### GOVERNMENT

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### UNION

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