

The Boeing SAFE Model

What is the model's purpose?

 Analyze the effectiveness of various screening & quarantine protocols that lower COVID-19 prevalence in travelers

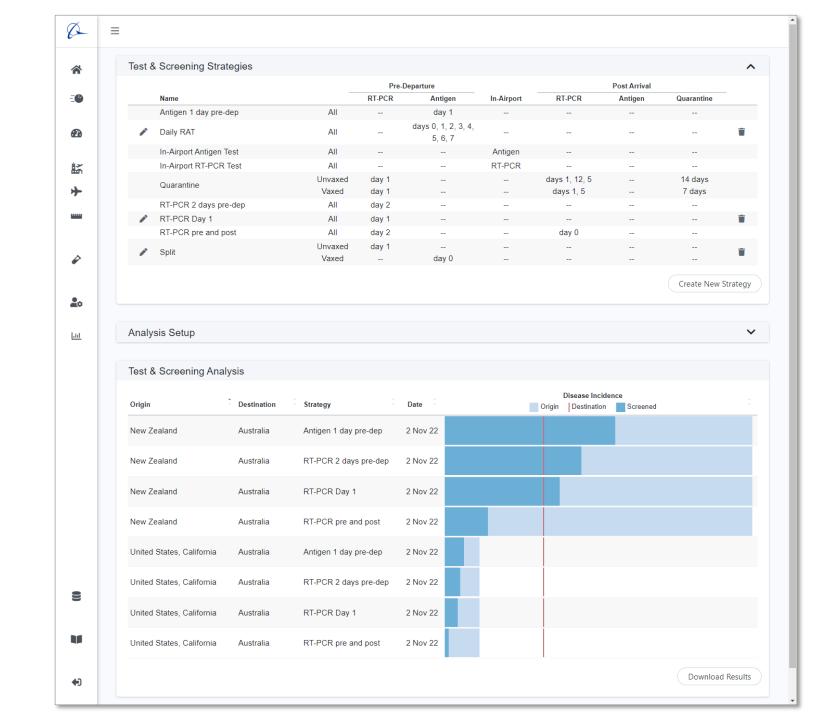
How does the model work?

- Compares testing, quarantine, and hybrid testing/quarantine scenarios
- Considers the disease timeline for COVID-19 and the efficacy of RT-PCR and rapid antigen tests

How can the model be used?

 Aid policy decisions on passenger screening, testing, and quarantines





The Boeing TRIP Model

What is TRIP's purpose?

 An interactive & adaptive tool for assessing SARS-CoV-2 exposure risk in the aviation ecosystem

How does TRIP work?

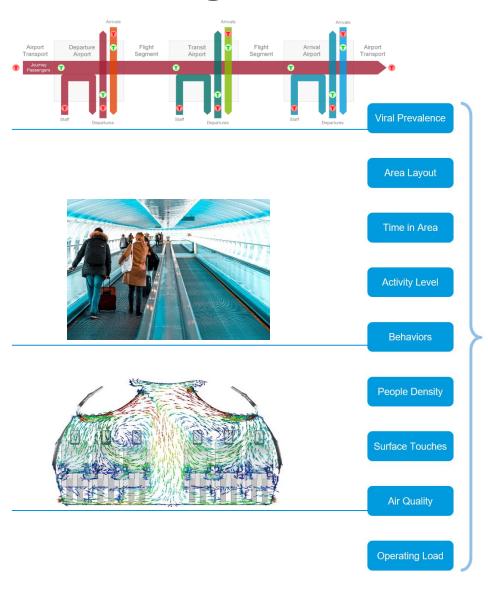
- Calculates relative risk of exposure at each step of the journey
- Risk is calculated relative to a location outside the air travel ecosystem
- Estimates control measure effectiveness and economic & operational impact
- Represents perspectives of key aviation industry stakeholders: travelers, airports, airlines, OEMs, travel industry, and government

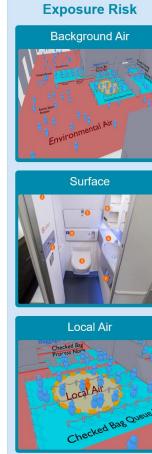
How can TRIP be used?

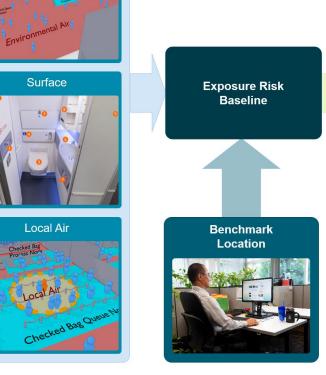
 TRIP demonstrates the combination of control measures that can provide effective risk reduction to restore full system capacity



The Boeing TRIP Model





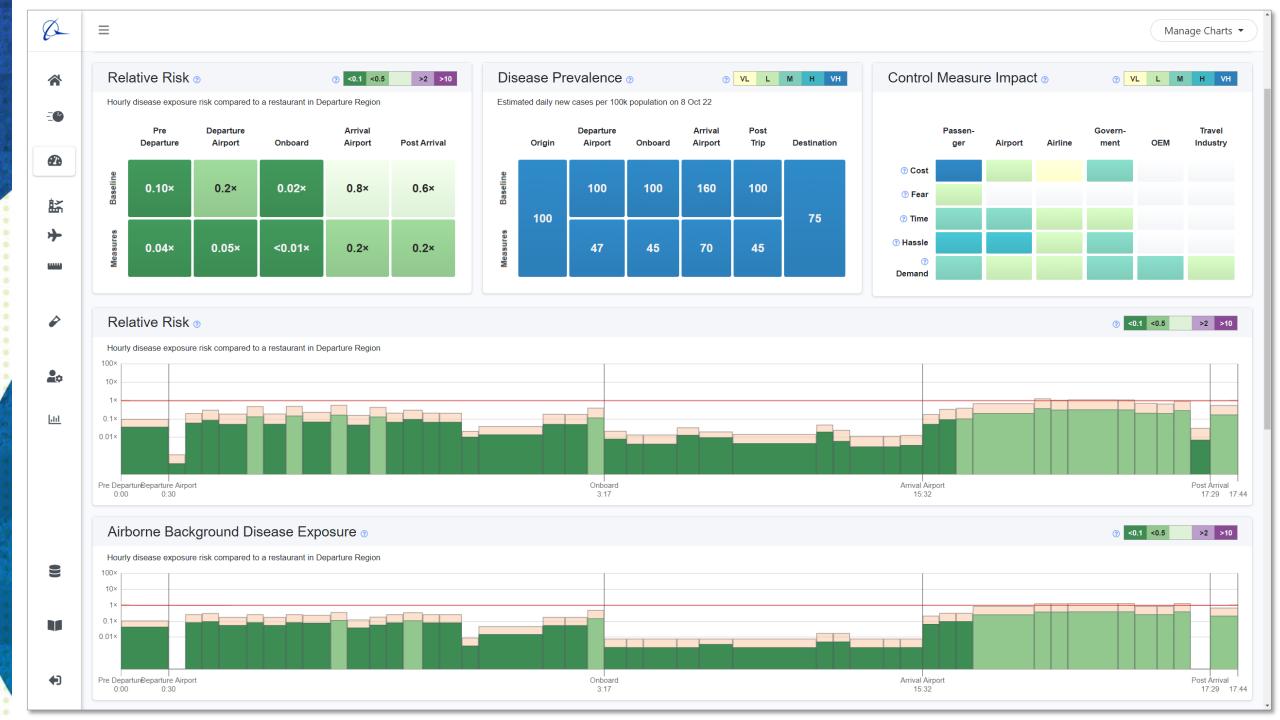




Exposure Risk Final

Impact

- Cost
- Fear
- Time
- Hassle
- Demand



Next Steps

Further Collaboration

- Ongoing plan to work with health agencies, government research institutes, universities, and regulators
- Develop and publish an independent disease modelling framework for the aviation ecosystem
- Be prepared for the next pandemic

