Safely Reopening International Borders

ICAO MID CAPSCA
December 2020

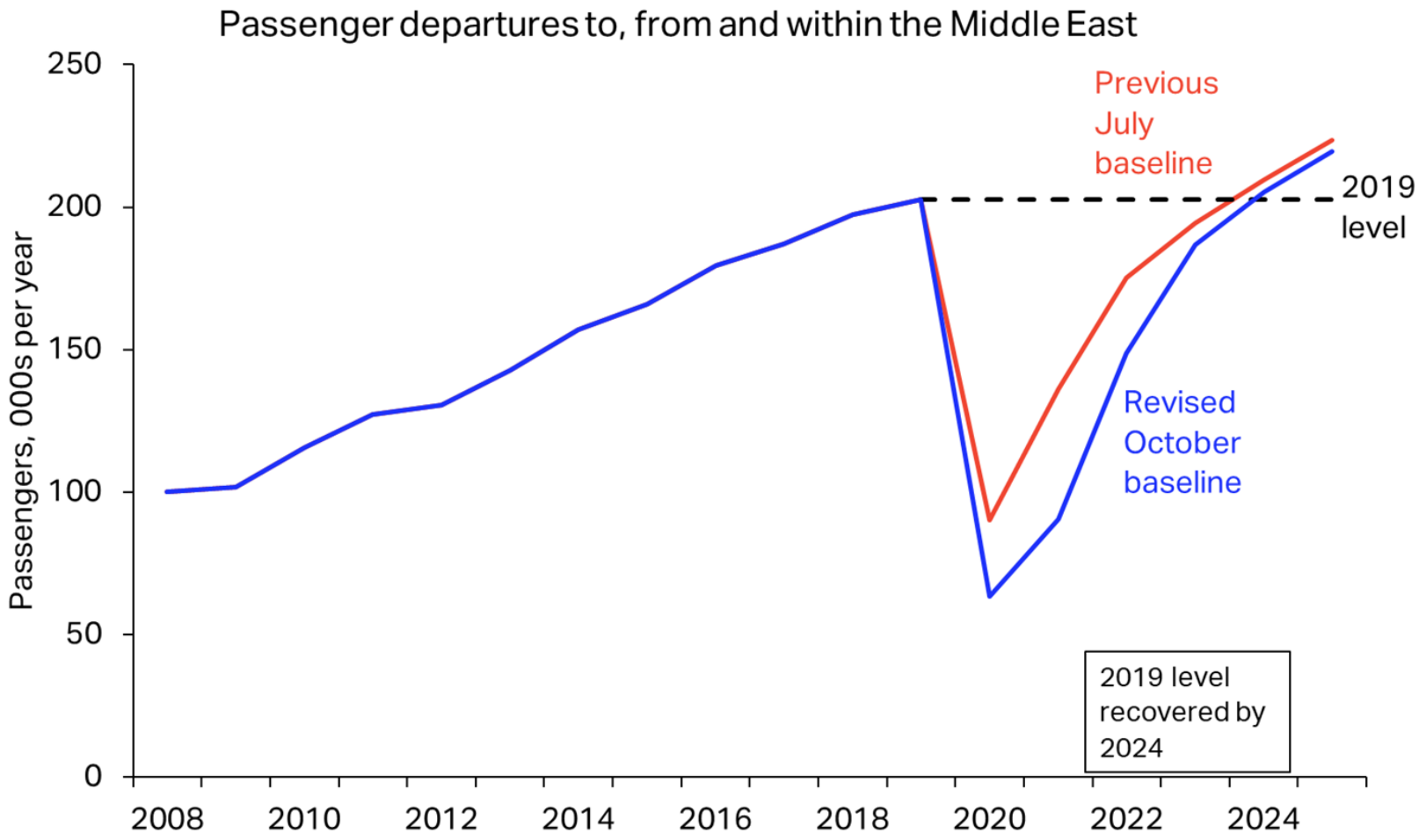
IATA has downgraded its traffic forecast for the Middle East for 2020 to reflect a weaker-than-expected recovery

- Full-year 2020 passenger numbers in the Middle East (to/from/within) are forecast to **reach only 30% of 2019 levels,** down significantly from the 45% that was projected in July

- In absolute numbers, the Middle East is expected to see **60 million travelers in 2020 compared to the 203 million in 2019**

- In 2021, demand in the Middle East is expected to strengthen to 45% of 2019 levels to reach 90 million travelers to/from/within the region.

Pax volumes not expected to recover until 2024 in the Middle East



Source: IATA/Tourism Economics Air Passenger Forecasts, October 2020.

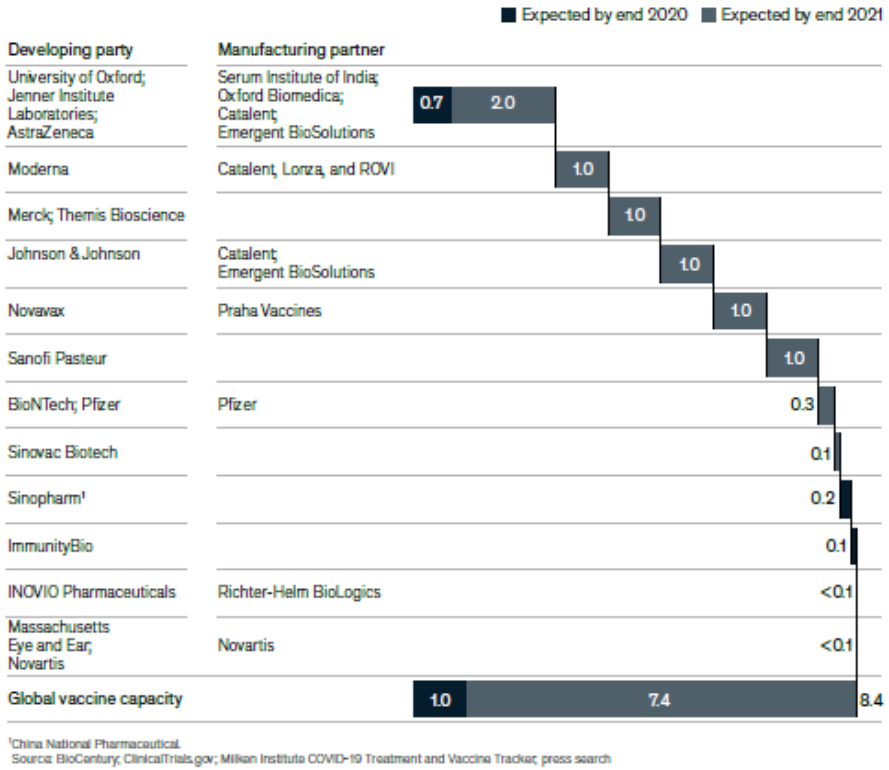
Restoring Air Connectivity is vital to Restart the African and Middle East Economies

30 November 2020

Vaccine roll-out may take 12-24 months.

Vaccine unlikely to be widely available until mid-2021. Airline will have run out of cash

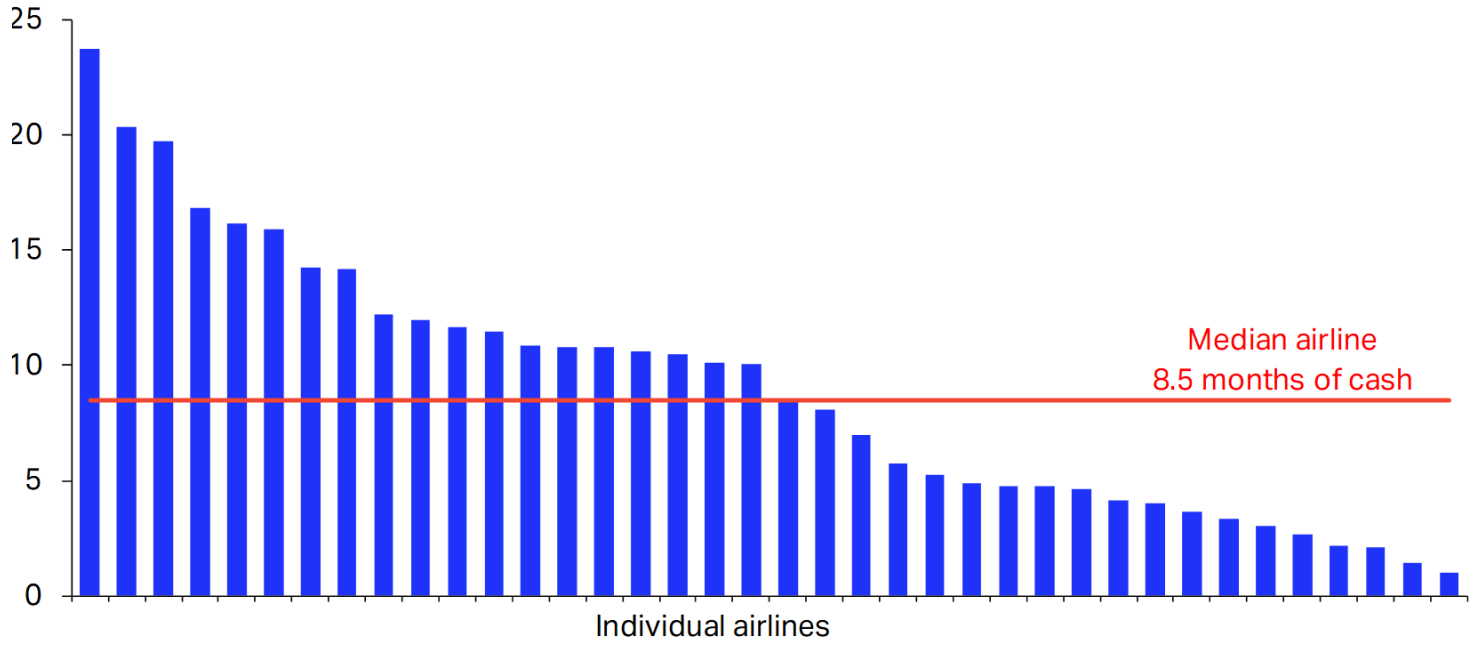
Announced manufacturing capacity for vaccine candidates, billions of doses



[1]China National Pharmaceutical.
Source: BioCentury; ClinicalTrials.gov; Milken Institute COVID-19 Treatment and Vaccine Tracker; press search

Source: McKinsey

2020 end June cash+cash equivalents/2020 H2 monthly cash burn

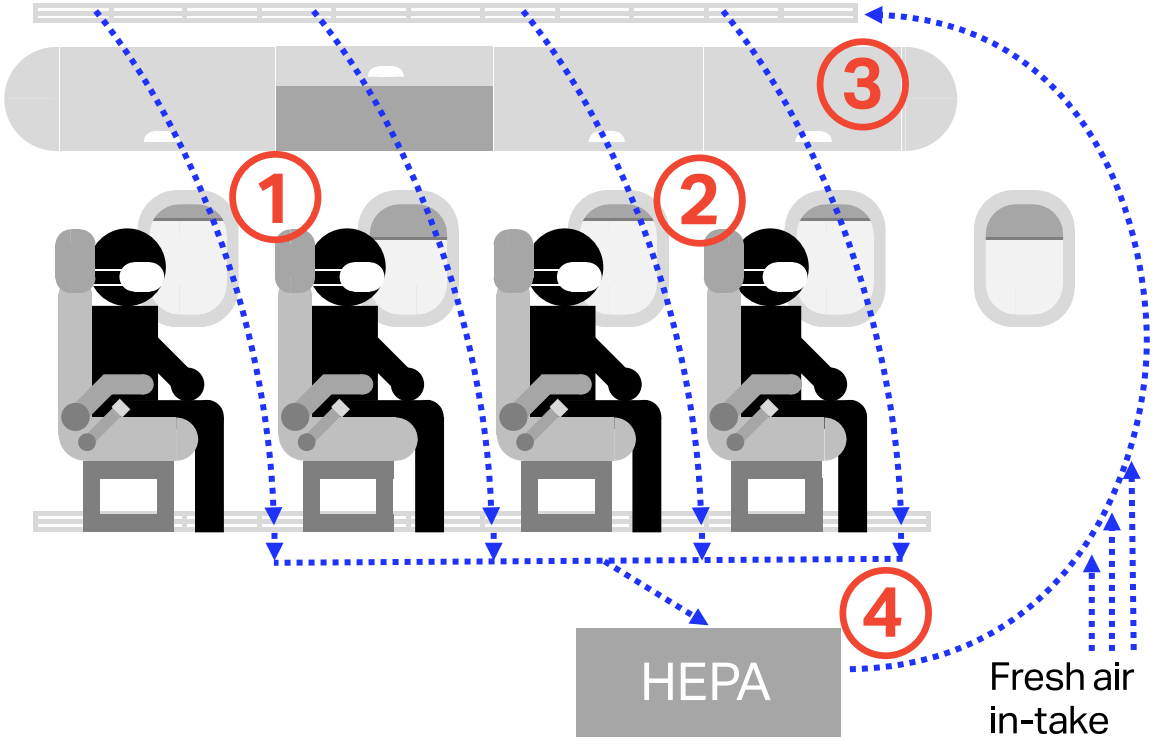


Source: IATA Economics using data from the Airline Analyst

Waiting for widespread vaccination is not an option

Air Travel Environment is Safe: Risks Mitigated

- Cabin environment limits potential for virus transmission
- Multi-layered biosafety approach further reduces risk

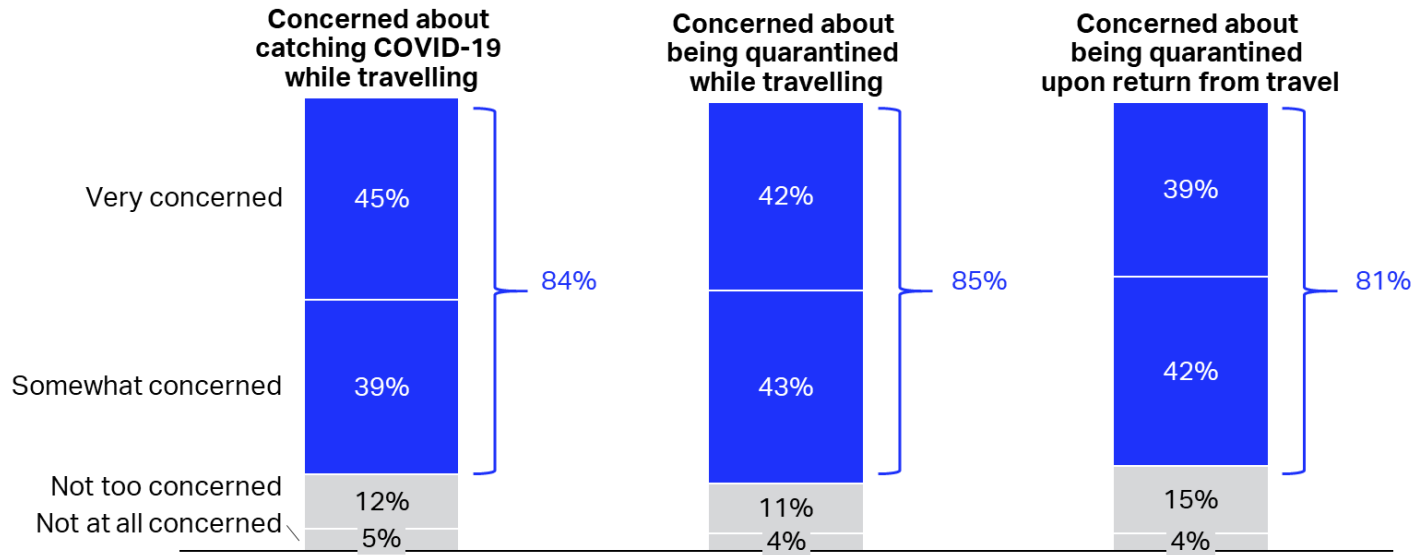


Quarantine is a brake on travel

- WHO does <u>not</u> recommend quarantine for asymptomatic travellers. They should self-monitor for 14 days instead.

- Countries that have imposed quarantine have seen declines in air traffic that are very similar to countries that have closed borders completely.

Travelers are as concerned about quarantine as they are about catching the virus



Source: Rockland Dutton for IATA

Systematic testing can mitigate importation risk

Benefits of systematic testing:

- COVID Clean travel environment (if testing is pre-departure)
- Detect asymptomatic cases
- Mitigate importation risk

Systematic passenger testing can be twice as effective as 14-day home quarantine in reducing community transmission of COVID-19

Case Study:

Air Canada / Toronto Pearson Trial

- 13,000 tests carried out
- 99% tested negative
- Of <1% positive tests:
  - 80% on day of travel
  - 20% on day 7
  - 0 positive results on day 14

Assess overall impact of multi-layer mitigation

Practical recommendations for COVID-19 Risk Assessment:

- Assess overall impact of multi-layer mitigation as a package, do not assess individual measures in isolation
- Factors to take into account:
  - Relative infection rates in countries of departure and arrival
  - Traffic volumes between 2 countries
  - Effectiveness of mitigation measures
- Suggested output metric:
  Imported infections vs healthy passengers

Temporary multi-layered biosafety measures to protect health and safety, and ensure that air travel is not a meaningful vector for the spread of COVID-19

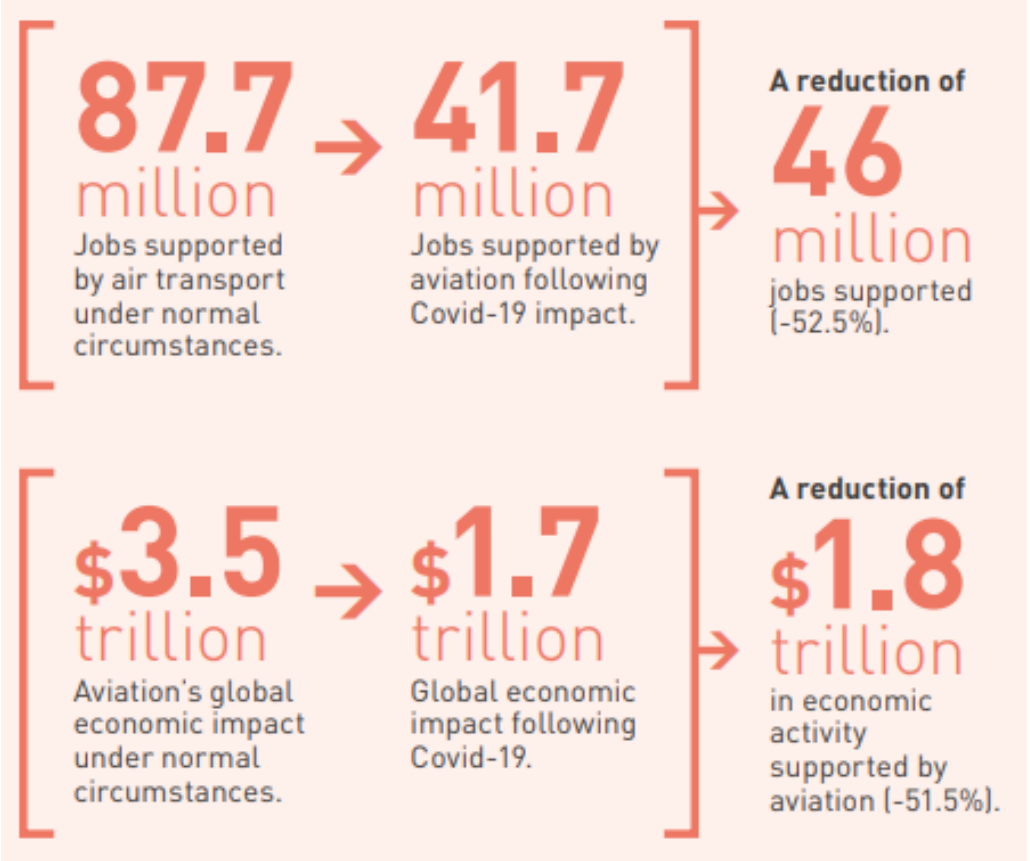
Compare risk vs benefits & relative in-country risk

Risk assessment is a comparative exercise.

- WHO clear that zero-risk is not credible:
  - *"Economies have to open up, people have to work, trade has to resume. So how do we reopen…..in a way in which we minimise the risks associated with that….?"*
  - *It is a trade-off that countries have to make; the risk of a traveller arriving and potentially starting another chain of transmission against the obvious benefit of allowing travel from a social and an economic point of view"*

    – Dr Mike Ryan, WHO

The economic benefits of restart are relevant



International travel is safe. It should not be subject to measures that are more restrictive than those applied in the domestic economy

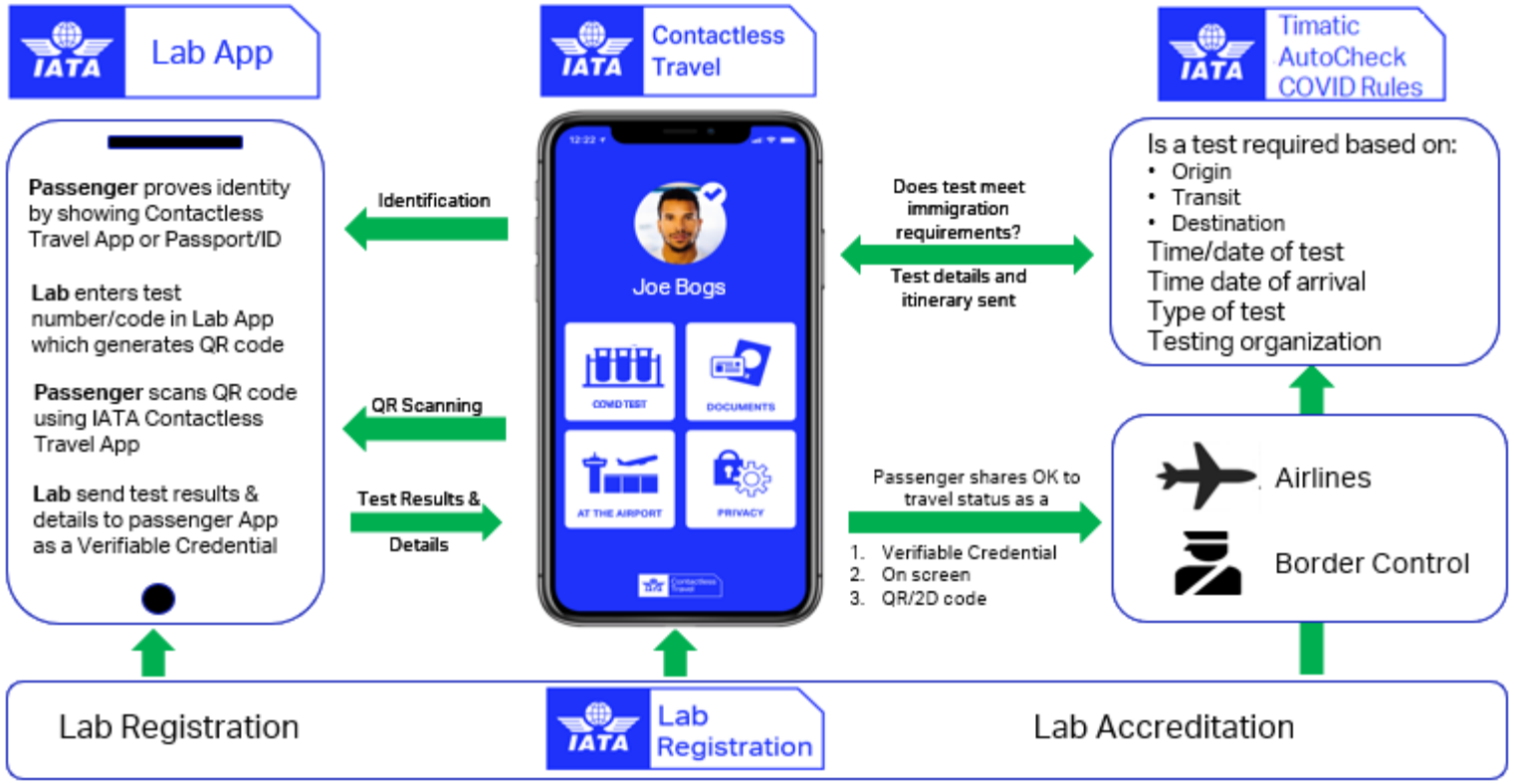
Standardized global approach to health credentials

Trust is critical for mutual recognition of test results and, in due course, vaccination certificates.

There is a need for a standardized approach to health credentials and health passports.

IATA supports a framework based on common standards and an agreed set of data elements.

Multiple solution providers can provide products and services, as long as they are interoperable.



Re-opening borders safely

Issue

Governments need to be confident that they are mitigating the risk of importing COVID-19 to re-open borders without quarantine and restart aviation.

Solution

Testing has been proven to be the safest and most effective method to achieve this. And passengers are willing to get tested to travel.

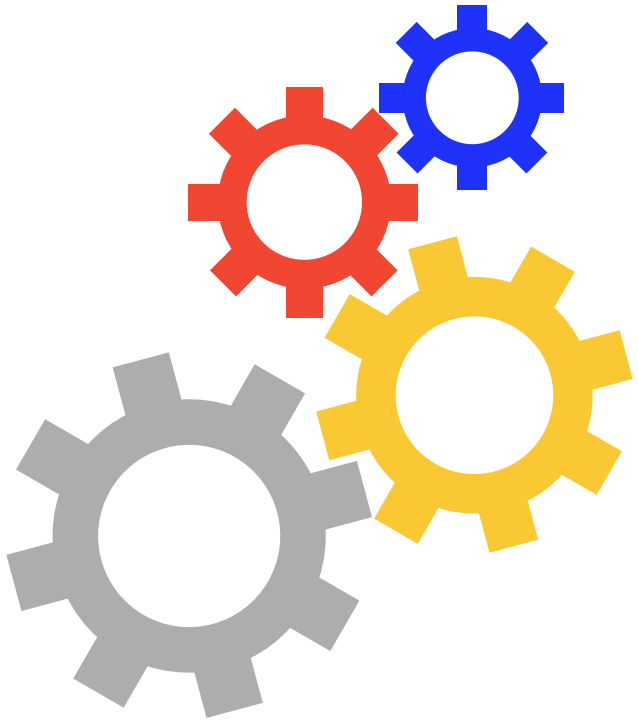
Confidence

But both passengers and governments need to have confidence in each passenger's verified COVID-19 status.

The challenges

Passengers	Need accurate information on test requirements, where they can get tested or vaccinated, and the means to securely convey test information to airlines and border authorities
Airlines	Need to have the ability to provide accurate information to their passengers on test requirements and verify that a passenger meets the requirements for travel
Governments	Need to be able to verify the authenticity of tests and the identity of those presenting the test certificates
Laboratories	Need to be able to issue certificates that will recognized by governments

Solution

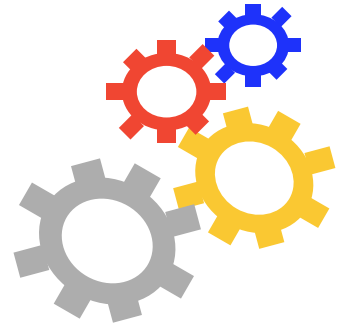


To address these challenges IATA is launching:

IATA Travel Pass

...a combination of four modules that are interoperable and open access

IATA Travel Pass
Developed for everyone



Registry of Health Requirements
powered by Timatic

- Enables passengers to find accurate information on travel, testing (and eventually vaccine) requirements for their journey

Registry of testing / vaccination centers

- Enables passengers to find testing centres and labs at their departure location which meet the standards for testing/vaccination requirements of their destination

Lab App

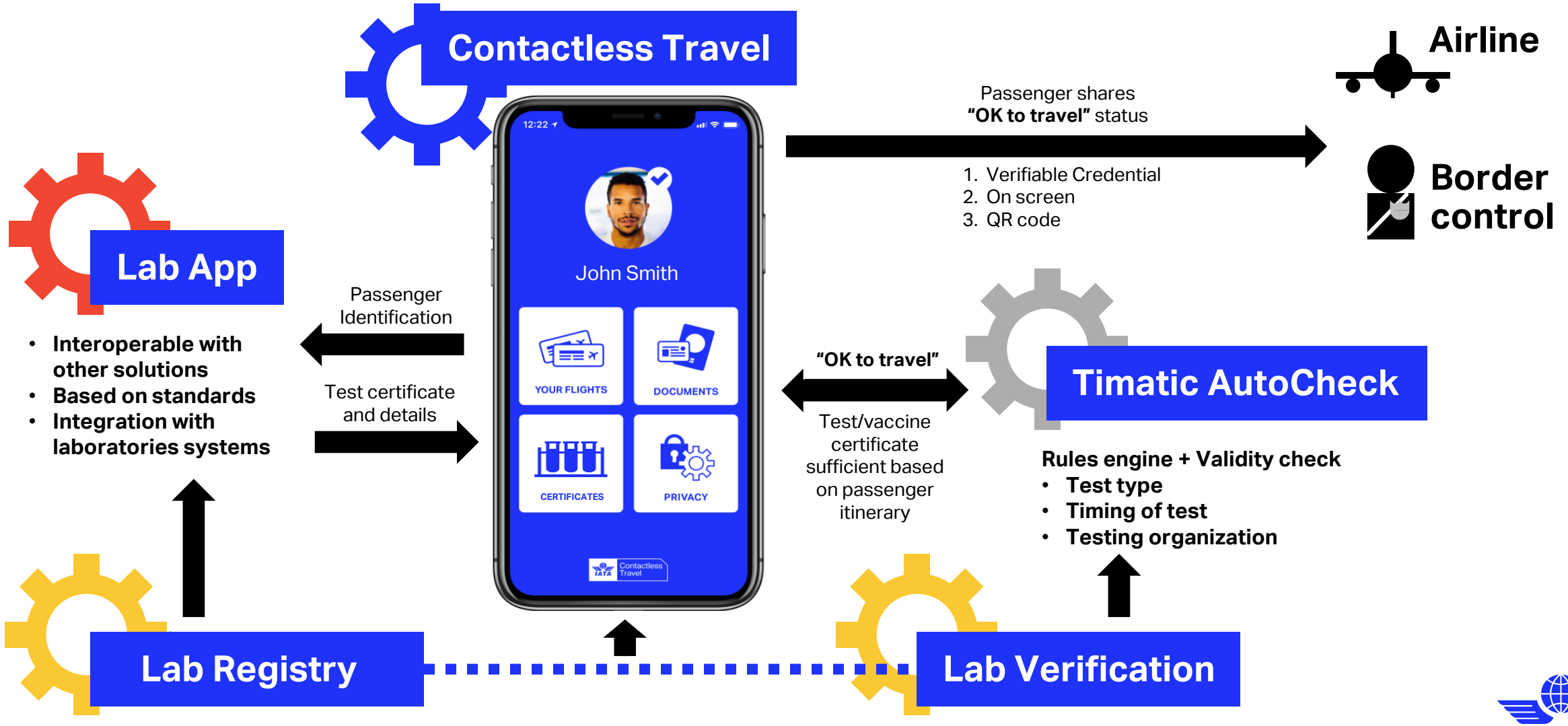
- Enables authorized labs and test centers to securely send test results or vaccination certificates to passengers

Contactless Travel App

- Enables passengers to (1) create a 'digital passport', (2) verify their test/vaccination meets the regulations & (3) shares test or vaccination certificates with authorities to facilitate travel.
- Can be used by travelers to manage travel documentation digitally and seamlessly throughout the travel experience.

How the modules combine as an integrated service

Overview



High level data privacy and security

‘Decentralized Technology’ means there is **no** central database holding passenger information

Rights

Passengers have the sole right share to their data

Users can delete their data anytime on their app

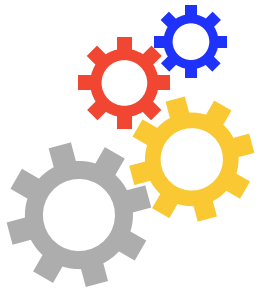
Compliance

Country regulations on access to passengers’ data will be respected (eg France & Germany)

IATA Travel Pass principles

Modular and interoperable with:

- Other COVID-19 solutions
- Existing airline and industry solutions

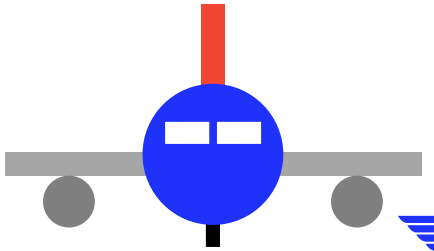


Based on standards:

- ICAO DTC
- W3C – Digital Comms
- One ID initiative

Solution for everyone:

- IATA is a trusted industry body
- Industry expertise
- Favors a collective solution



Benefits of IATA Travel Pass?

- **Universal**: built to meet passenger, government and airline needs
- **Proven**: based on existing IATA solutions
- **Modular**: airlines can choose modules supporting their strategy
- **Trust Framework:** partner for mutual benefit
- **Decentralized** technology: no central passenger database
- **Interoperable**: open standards and open networks
- **Sustainable:** additional data-sets required for travel can be easily integrated into app

Air Cargo COVID Impact & Vaccine Distribution

Cargo Challenge

- Staff availability and skill set, i.e. DG certification
- Unavailability of airspace, essential aerodrome availability, crew restrictions, inefficient processes for ad-hoc and rescheduled operations
- Shortage of belly capacity
- Operational risk associated with non-traditional operations

The next challenge… vaccinating the world

Providing a single dose of the vaccine to 7.8 billion people would fill 8,000 747 cargo aircraft

Managing a global temperature-controlled supply chain for vaccines, health, and humanitarian supplies

Key considerations:

- Capacity & Connectivity
- Capabilities & Facilities
- Infrastructure & Equipment
- People & Processes
- Border Management
- Facilitation Procedures
- Security & Safety
- Interconnected Logistics Networks

Industry Readiness and Preparedness

IATA WEBINAR

Webinars

24 November
2-4pm CET

Guidelines & Regulations

6K copies distributed

IATA Training

Training

3,2K people trained

CEIV - EXCELLENCE IN LOGISTICS
IATA
PHARMA

Certification

296 certified
75 in progress
26 communities

ONE Source

Registry

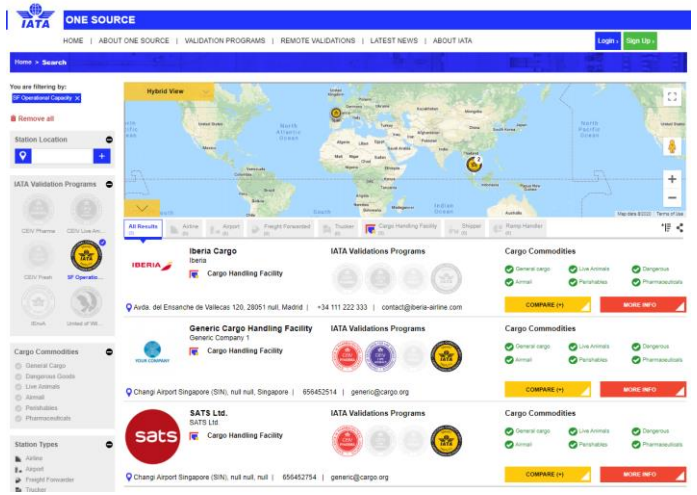
400+ companies

IATA

Industry Call To Action

- **Sharing information - Global Collaboration**
  - Plan - Prepare - Perform
  - Engage and communicate with partners/suppliers on scale up projects and initiatives to support COVID-19 vaccines distribution or humanitarian aid

- **Capabilities & infrastructure industry platform – ONE Source**
  - Visibility and demonstrated competencies
  - Showcase adherence to quality standards



Our Essential Workforce – CREW

Guidance

CART Guidance

"Crew members who are involved in flights with a layover, should not be medically quarantined or detained for observations while on layover or after returning, unless they were exposed to a known symptomatic passenger or crew member on board or during the layover"

CART Guidance

Crews are not subject to screening or restrictions applicable to other travelers. health screening methods for crew members are as non-invasive as possible"

Our Essential Workforce – CREW

Current Issues

- Application of the same Public Health Measures for Crew that are applied to the General Public
  - Provision of Negative PCR Test Prior to Departure
  - Provision of Negative PCR Test Upon Arrival
  - Crew Quarantine
  - Crew not Permitted to Leave Aircraft
- Emerging Safety Risk - Crew Fatigue and Stress

The Cost of Compliance

ONe GLOBAL Airline estimates the cost of compliance to be approximately USD2,600 per flight.

For a Daily flight that would equate to USD950,000 per year

Solution

- States urged to treat crew as 'essential' workers and remove restrictions on quarantine & testing
- States to adopt CART I and II Recommendations for Crew
- Regional Harmonization of Measures