Disclaimer

The E2E risk assessment tool (the “E2E Tool”) is developed by Airbus, using public health data and information publicly available at a given time as well as on various parameters, variables and calculation methods based on specific assumptions.

References, sources and detailed methodology used by Airbus to develop the E2E Tool are listed and explained in the document entitled “Hidden infectious and transmission during the travel Probability model detailed description” ref PR2100534 issue 2.

Any interpretation and/or use of data generated by the E2E Tool shall be made under the sole and entire responsibility of their author. Airbus shall in no event be held liable for any interpretation or any use of data generated by the E2E Tool.

AIRBUS

Airbus Keep Trust in Air Travel

End-to-End Health Risk Assessment

A data driven approach to global air travel restart

Elisabeth Masset, Air Travel Health Assessment Leader | 2 June 2021

AIRBUS

Why a Health Risk Assessment Model?

- Air transport related health risks can be addressed in a similar way as aircraft safety.
- The probable risk at each step of the air travel, from entering the departure airport up to leaving the arrival airport can be quantified.
- Risk can be reduced by layering and overlapping several preventive & protective measures.
- Data-substantiated decision-making to achieve appropriate risk levels when reopening global air travel is realistic.
- Supporting government stakeholders and regulatory bodies.

AIRBUS

What are the risks of infection?

touching a contaminated surface

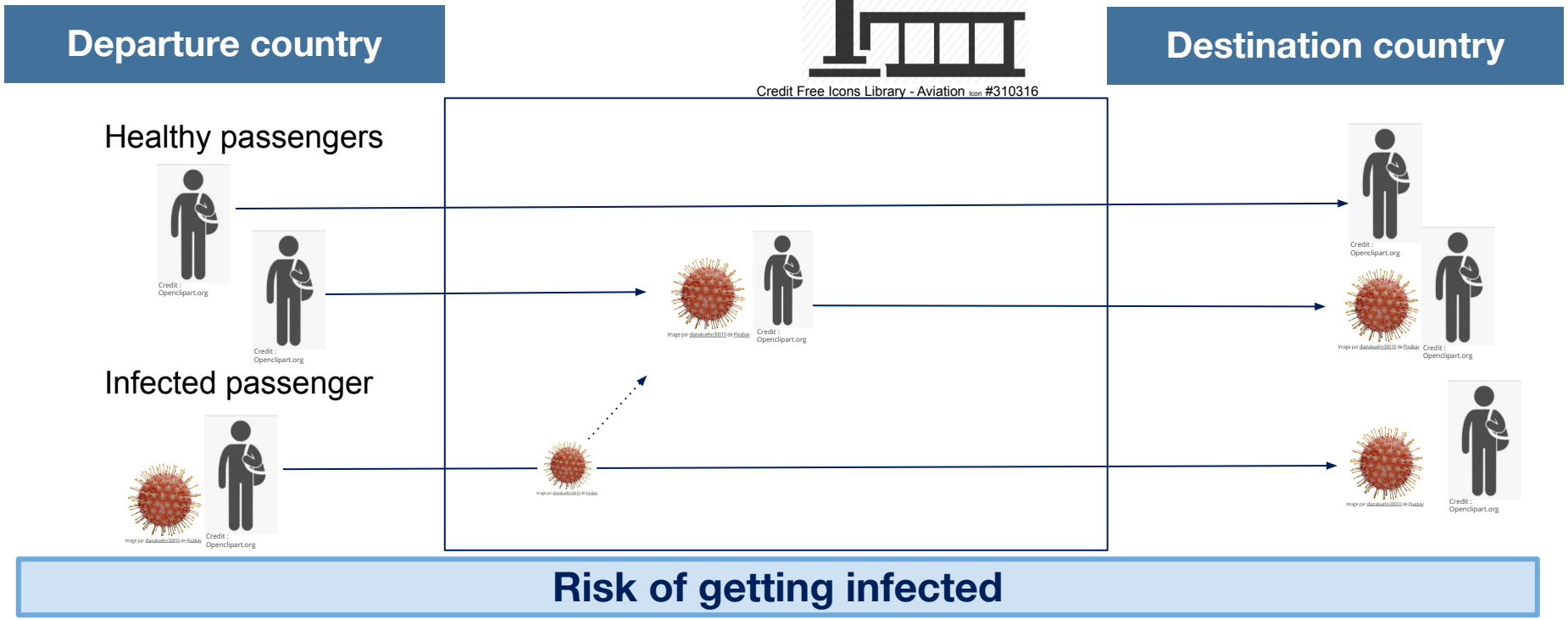
OR

inhaling virus droplets emitted by (an)other person(s)

Credit Free Icons Library - Aviation Icon #310316

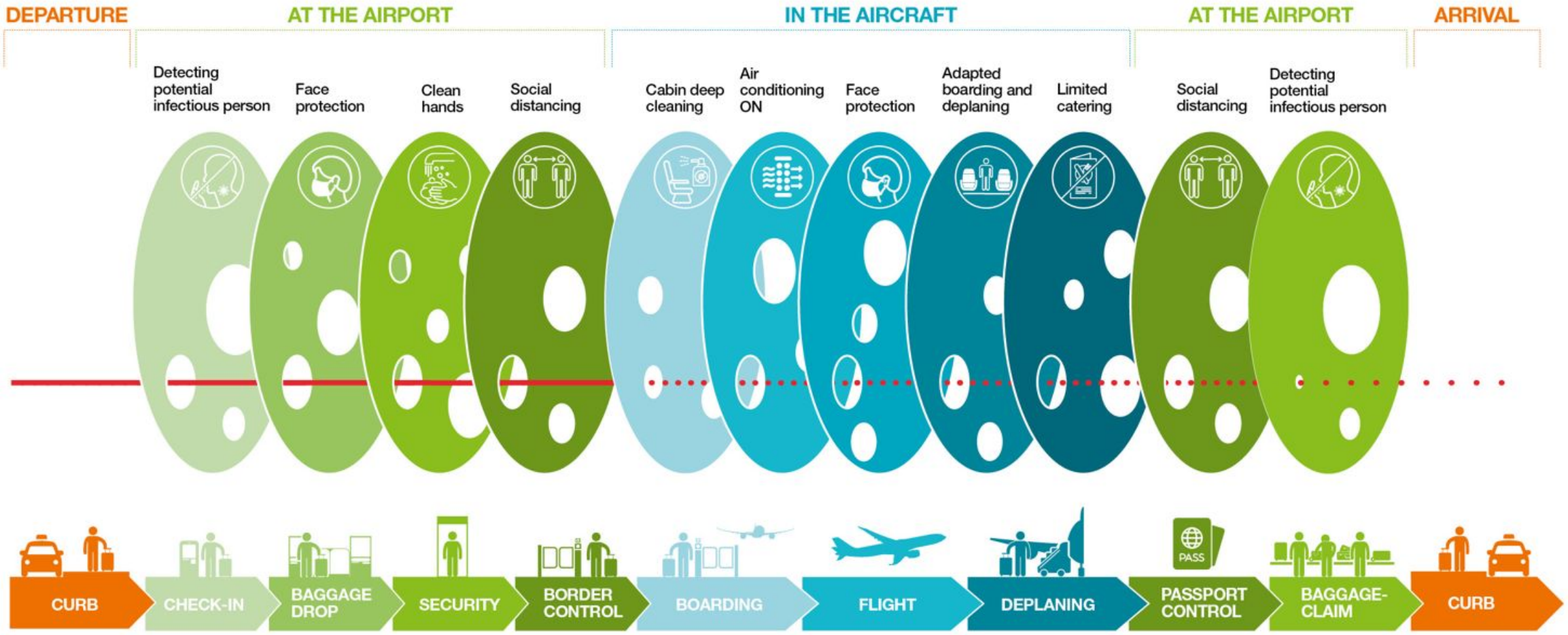
Threat:
Passengers may be infectious *before travel*

Some passengers might infect other passengers *during travel*



AIRBUS

Air travel: A layered approach of preventative measures



Source: Mackay, Ian M. (2020) The Swiss Cheese Respiratory Virus Defence. figshare. Figure. https://doi.org/10.6084/m9.figshare.13082618.v22

AIRBUS

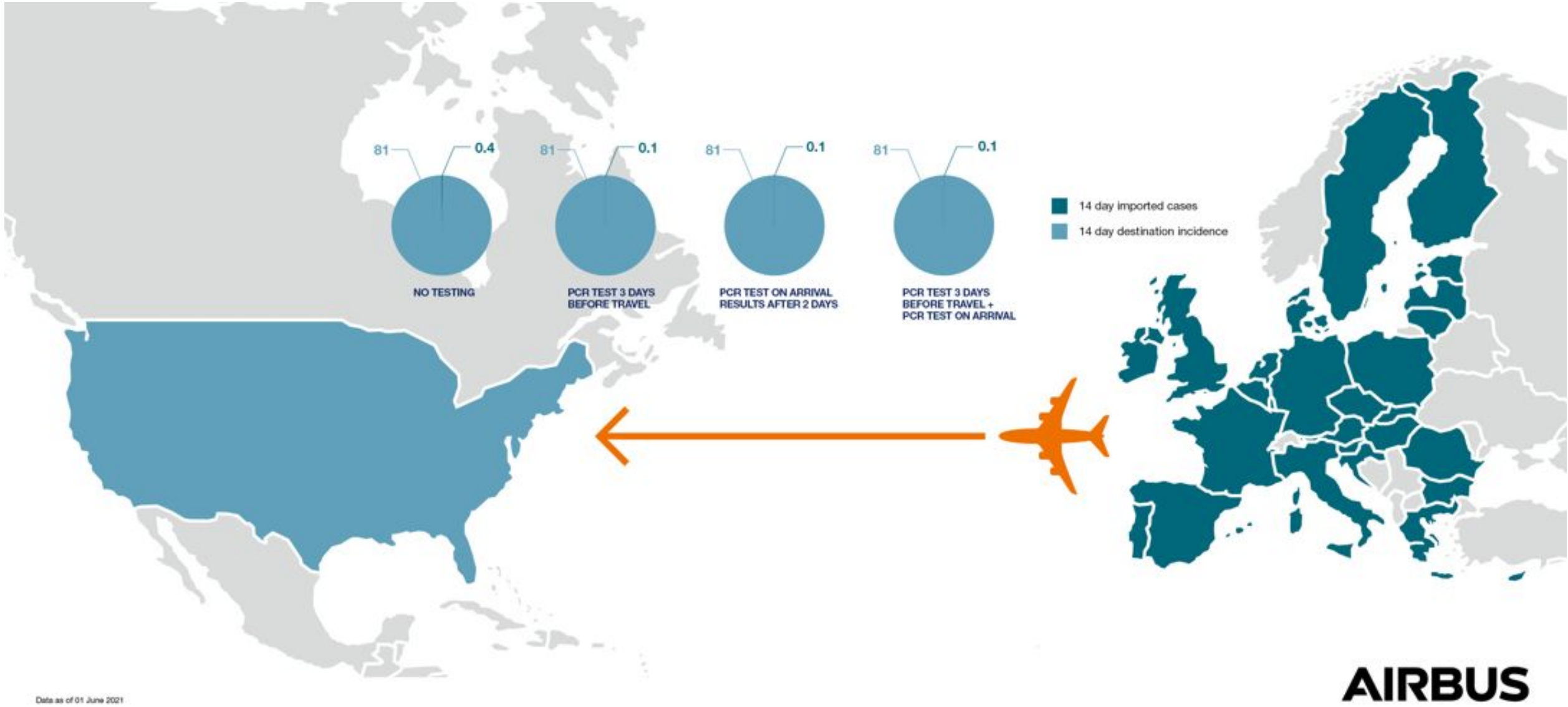
Demonstration:
End-to-End Health Risk Assessment Model

AIRBUS

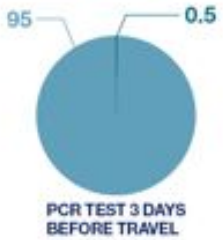
Screening strategy comparison: Europe to Iceland

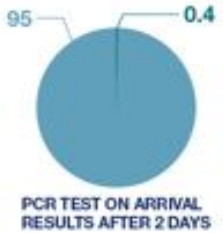
Screening strategy comparison: Europe to Singapore

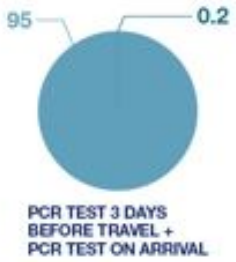
Screening strategy comparison: Europe to US



Screening strategy comparison: LATAM to Canada







14 day imported cases

14 day destination incidence

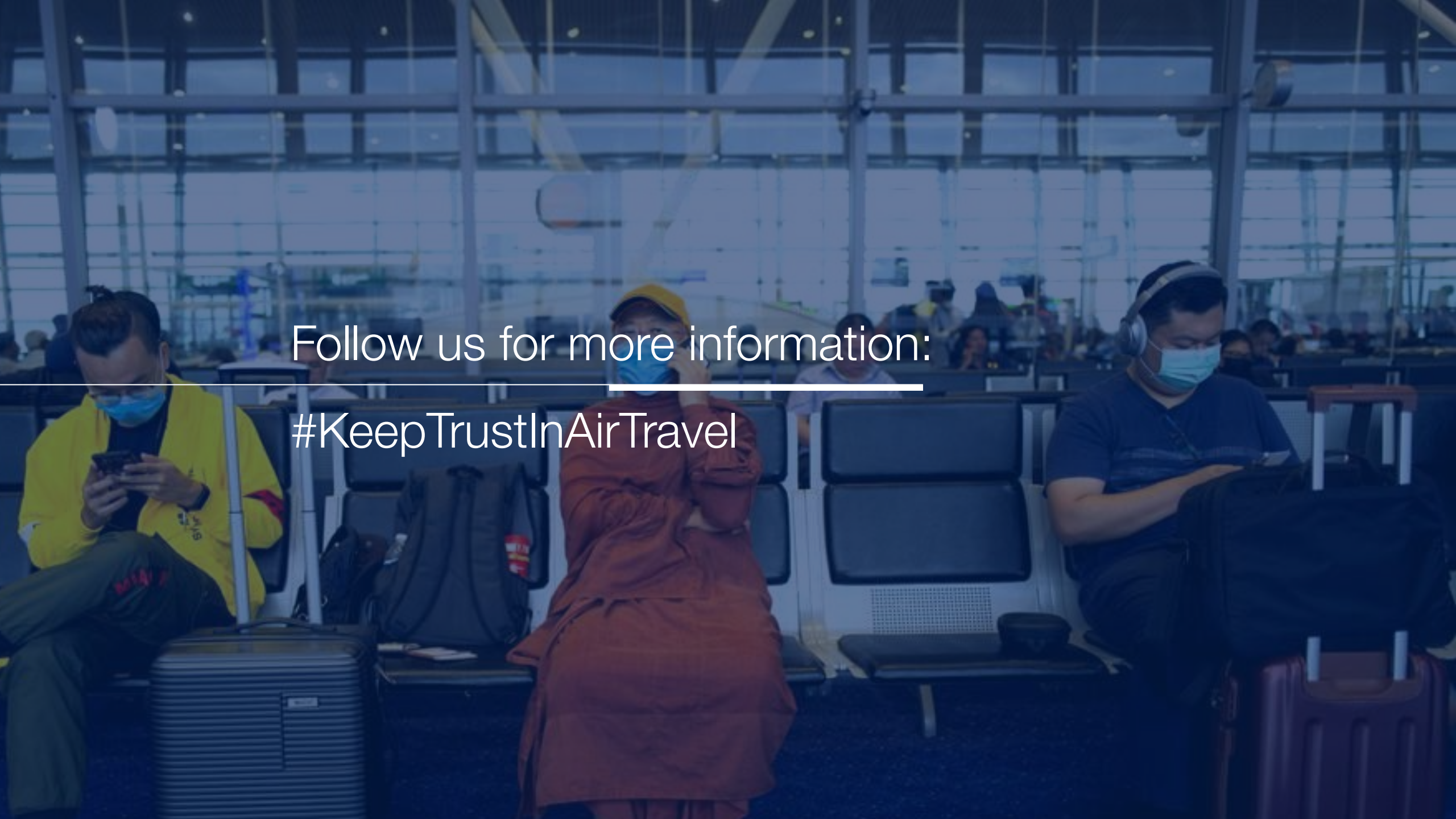
Data as of 01 June 2021

AIRBUS

Key takeaways

1. Travelling by air remains very safe
2. Risk can be mitigated to an acceptable level by choosing the right screening strategy
3. Aviation today is capable of restricting virus translocation in collaboration with all aviation stakeholders

AIRBUS


Follow us for more information:
#KeepTrustInAirTravel