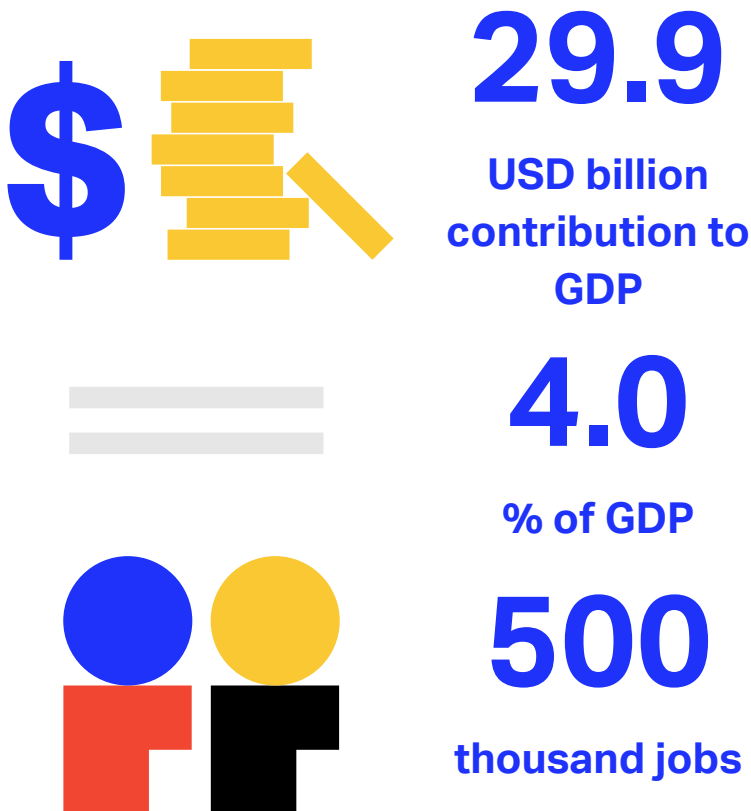




THE VALUE OF AIR TRANSPORT TO CHINESE TAIPEI

Air transport significantly contributes to Chinese Taipei's economy

Total economic impact of aviation in Chinese Taipei



There are different ways of measuring air transport's impact on an economy. Two key indicators are the number of jobs and the contribution to gross domestic product (GDP) generated by the aviation sector, including airlines, airport operators and on-site businesses, air navigation service providers (ANSPs), and manufacturers ("direct" aviation players). In Chinese Taipei, 70,400 people are directly employed in aviation, generating USD 7.5 billion of economic output, equal to 1.0% of total GDP.

Additional benefits are generated by the wider supply chain, employee spending, and tourism activities contributing a total of USD 29.9 billion to GDP and 499,500 jobs.

Tourism supported by aviation contributes USD 9.4 billion to the territory's GDP and employs 231,500 people. International tourists to Chinese Taipei are estimated to contribute USD 10.4 billion annually² to the economy through the purchase of goods and services from local businesses.

Source: Oxford Economics, 2023¹

GDP contribution and employment within the aviation industry and tourism in Chinese Taipei



Source: Oxford Economics, 2023³

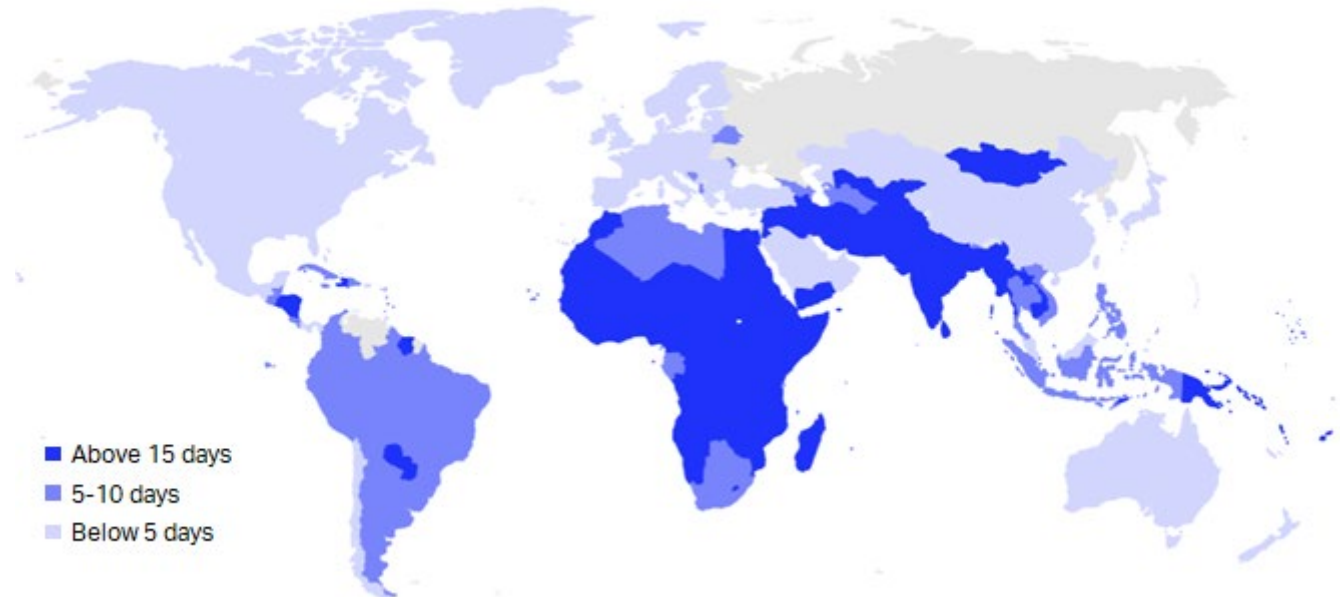
Note: The table above provides the primary components of the results for 2023; it does not capture indirect and induced benefits, which also form part of the overall total.

Aviation delivers substantial and widespread social benefits

Aviation creates a range of social benefits and contributes significantly to the United Nations Sustainable Development Goals (SDGs).⁴ Air transport enhances access to education, connects friends and families, facilitates cultural exchange, and drives socio-economic development. Acting together, these forces enable a region to expand its productive potential, delivering long-term economic growth and supporting the reduction in poverty and improvement in living standards for all of the nation's citizens.

The cost of flying impacts the magnitude of the benefits that can be generated by air travel. In the past 50 years, flight costs have decreased by 70% globally,⁵ making air transport more accessible. The average real airfare in Chinese Taipei decreased by 42%⁶ between 2011 and 2023, with the local population now needing to work 2.3 days⁷ to afford a plane ticket. Overall, 935 flights per 1,000 population⁸ were taken in 2023.

The number of days of work required to be able to afford a plane ticket in 2023



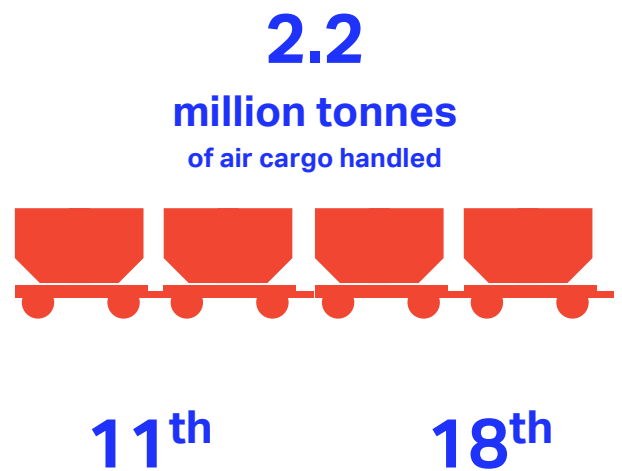
Source: IATA Sustainability & Economics based on data from IATA Direct Data Solutions (DDS) and World Bank⁹

Air transport facilitates the flow of goods, investment, and trade

Aviation stimulates global trade and investment, enables labor and capital productivity improvements, boosts innovation, and fosters knowledge exchange. The movement of goods, enabled by the air transport industry, brings about improved economic outcomes via catalytic collaboration, specialization, and more efficient allocation of resources across all sectors of the local and world economy.

Aviation plays a crucial role in, for example, enabling the development of dynamic and efficient supply chains, and in driving the growth in e-commerce. In times of crisis, the world relies on air cargo to provide humanitarian aid and emergency relief.

2.2 million tonnes of air cargo were transported through airports in Chinese Taipei in 2023, supporting the territory's total import and export volumes.



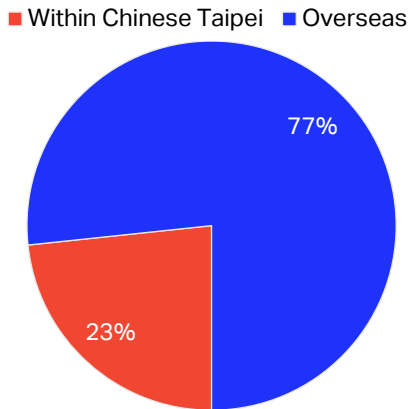
Largest air cargo market **Largest trade market**

Source: Airports Council International (ACI), 2023 (cargo data); Taiwan Statistics Office, 2023 (trade data)

A well-developed aviation network transforms lives and communities

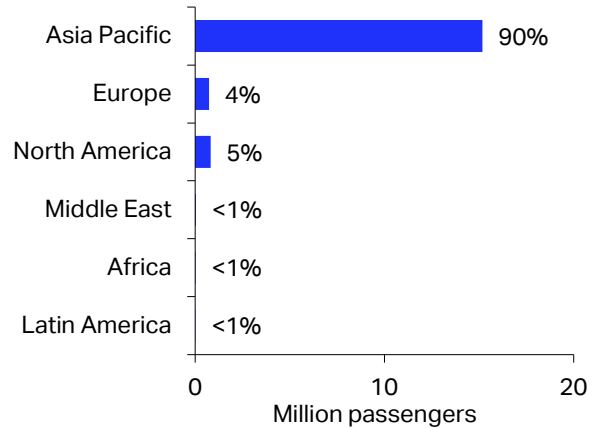
By swiftly and safely connecting people in different cities, air transport generates benefits to consumers and the wider economy. It makes the world smaller, enriching lives and enhancing cultural diversity. In rural and remote areas, air transport provides an essential lifeline for the community, safeguarding access to healthcare, education, and often employment.

Domestic and overseas O-D passenger departures, % share



Source: IATA DDS, 2023

Overseas O-D passenger departures from Chinese Taipei to regions

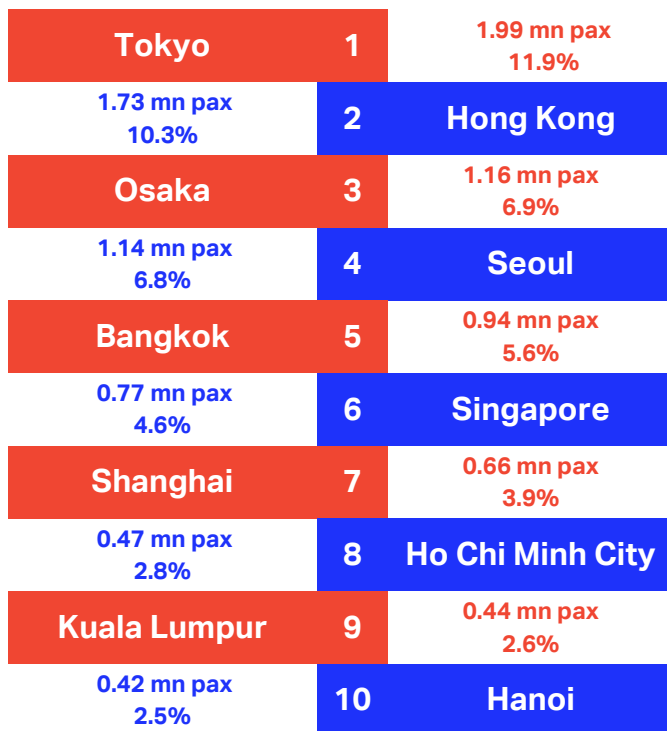


Source: IATA DDS, 2023

Note: Latin America includes South and Central America & the Caribbean.

Overseas air traffic accounted for 77% of total origin-destination (O-D) departures for Chinese Taipei in 2023, equal to 16.8 million passenger departures. Asia Pacific is the largest overseas market for passenger flows from Chinese Taipei, followed by North America and Europe. Almost 15.2 million passengers departed from Chinese Taipei to Asia Pacific (90% of the total), 810,400 to North America (5% of the total), and 728,300 to Europe (4% of the total). The recovery from the covid pandemic remains underway.

Top 10 most popular city destinations from Chinese Taipei



Source: IATA DDS, 2023

Note: Ranking based on overseas O-D traffic from Chinese Taipei, measured in terms of the total number of departing passengers, and as a share of total passengers in 2023.



passengers departed



market by passenger departures

62.7%

recovery in overseas passenger departures vs 2019



of global overseas passenger traffic



of regional overseas passenger traffic

Source: IATA DDS, 2023

Note: Measured by O-D overseas passenger departures.

Connectivity is vital to economic development

Air connectivity is fundamental to unlocking a region's economic growth potential and prosperity; it enables industries across all regions within the region to engage in dynamic business activity. The extent of domestic and international connectivity is an enabler and an accelerator of both the generation and distribution of economic benefits.

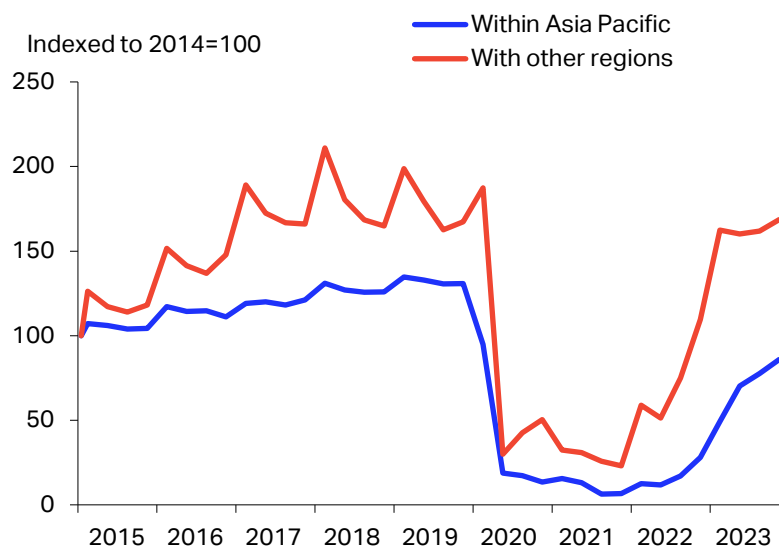
Air connectivity indicators for Chinese Taipei

12	95	28	288	14	60
airports with commercial scheduled flights	overseas airports directly connected	countries and areas connected by direct flights	outbound overseas flights a day	new overseas routes in the last 5 years	operating airlines ¹⁰

Source: OAG, 2023

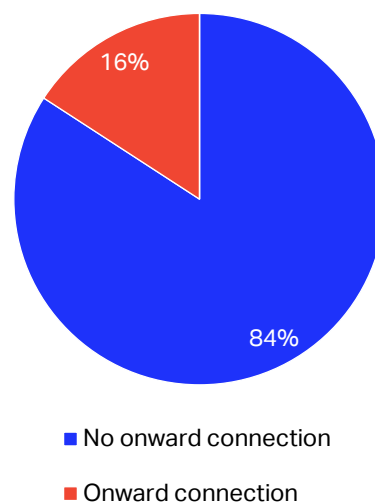
Since 2014, Chinese Taipei's overseas air connectivity index has decreased by 30% within the Asia Pacific region and increased by 63% with all other regions. Understanding the nature of that connectivity is also important. For Chinese Taipei, 84% of passengers either finished their journey at the point of entry or continued traveling using a different mode of transport. 16% of all passengers arriving in Chinese Taipei continued their journey on a connecting flight.

Overseas air connectivity of Chinese Taipei



Source: IATA Sustainability & Economics based on data from OAG, 2023¹¹

Arriving passenger onward air travel



Source: IATA DDS, 2023¹²

Endnotes

¹ Air Transport Action Group, 2024. *Aviation Benefits Beyond Borders* report based on data from Oxford Economics.
² World Trade and Tourism Council, 2023. *Tourism Data and Statistics*.
³ Air Transport Action Group, 2024. *Aviation Benefits Beyond Borders* report based on data from Oxford Economics.
⁴ Air Transport Action Group, n.d. *Sustainable Development Goals and Aviation*.
⁵ Air Transport Action Group, 2020. *Aviation Benefits Beyond Borders* report.
⁶ Real airfares refers to the average fare for O-D trips to/from/within territory adjusted by inflation. Calculated based on data from IATA Direct Data Solutions (2023) and International Monetary Fund (2023).
⁷ The number of days that the local population needs to work to afford a flight is estimated based on the average fare for travel and GDP per capita in 2023. Calculated based on data from IATA Direct Data Solutions (2023) and International Monetary Fund (2023).
⁸ The number of flights per capita is estimated based on the O-D passenger traffic and the population in 2023. Calculated based on data from IATA Direct Data Solutions (2023) and CEIC Data (2023).
⁹ The number of days that the local population needs to work to afford a flight is estimated based on the average airfare for travel and GDP per capita in 2023. Calculated based on data from IATA Direct Data Solutions (2023) and International Monetary Fund (2023).
¹⁰ A threshold of at least one scheduled flight a week is applied.
¹¹ IATA Connectivity Index is calculated as the total route capacity (in terms of seats available) weighted by the destination airport's capacity. The Connectivity Index is calculated based on data from OAG (2023).
¹² Refers to overseas passengers arriving in the territory and their onward connections. For example, if a passenger arrives in the territory but does not connect, they are categorized as "No onward connection". A passenger connecting is categorized as "Onward connection".