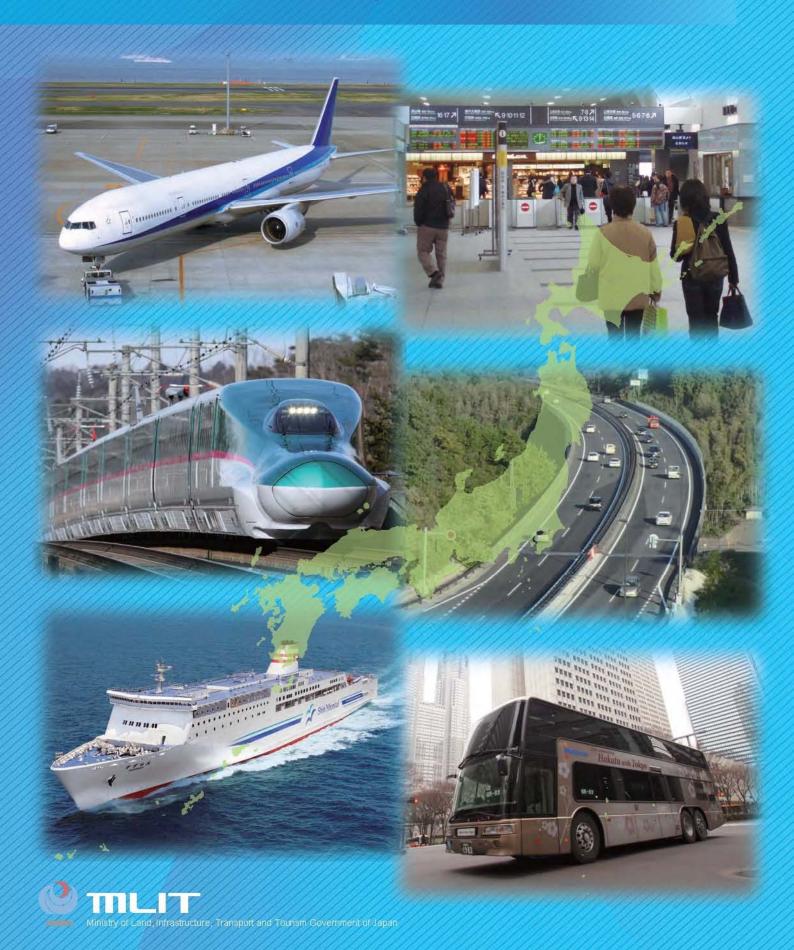
2010 Inter-Regional Travel Survey in Japan



Introduction

The 2010 Inter-regional Travel Survey is a survey that was being conducted in effort to creating a database that records the inter-regional movement of passengers in Japan. This survey integrates statistical data obtained through surveys conducted for each transportation mode (basic statistics). It provides an overall picture of the traveling public's use of the transportation mode from the point of departure to the destination, including transfers. The basic statistics are based on sample surveys conducted on passengers using five inter-regional transportation modes (air, rail, sea, bus, and car), which adopted choice-based sampling rather than home-based sampling.

The "Inter-regional Travel Survey in Japan" was first conducted in 1990, then again in 1995, in 2000, in 2005, and for a fifth time in 2010.

The inter-regional travel data has been used for determining and analyzing the actual situation in the movement of passengers, demand models, demand forecasts, and cost evaluations in various organizations including government agencies, local government entities, and research organizations.

This brochure introduces the 2010 Inter-regional Travel Survey conducted in Japan. It aims to present the current situation of inter-regional travel in Japan and provide a reference for similar surveys that may be conducted in other countries.

I. Outline of the 2010 Inter-regional Travel Survey

Objectives	To characterize the movement of passengers using the inter-regional transportation mode in Japan and to provide a database for purposes such as determining transport policies and transportation mode improvement plans.							
Implementing Institution	Ministry of Land, Infrastructure, Transport and Tourism							
Area Coverage	All of Japan							
Target	Passengers using inter-regional transportation modes.							
Description	Integrated statistics derived from basic statistics obtained through separate sample surveys taken for five inter-regional modes (air, rail, sea, bus, and car)							
Data Processing Method	Combination of basic statistics for each inter-regional transportation mode using augmentation and integration processes. Augmentation: Estimated traffic using one-day sample survey taken on a weekday, one-day sample survey taken on a holiday, and annual aggregate transportation statistics for each transport mode. Integration process: Process for filtering the double-counting of passengers transferring to the same or another transport mode.							
	(Thousands)							
	Air	Weekday 127	Holiday 186	Total 313				
	Rail	57	72	129				
	Sea			8				
Sample Size	Bus	17	31	48				
	Car	606	1,333	1,939				
	Total	810	1,628	2,438				
	Note: The sample size used in this survey may vary from the sample size on which the basic statistics are based.							
Cycle	Conducted every five years This is the fifth in the series of surveys taken since 1990.							
Period	Two days including one weekday and one holiday (Sunday) in winter. Note:Previous surveys were taken only on one weekday in fall.							
Survey Items	Point of departure, destination, purpose of travel, itinerary, route, inter-regional transportation mode transfers, access mode, transfers to final transportation mode, number of companions, gender, age, and place of residence							
Database Use	Purposes such as determining and analyzing the actual status of passenger movement, demand models, demand forecasts, transportation cost evaluations, etc. in various organizations including government agencies, local government entities, and research organizations							

II. Scope of the 2010 Inter-Regional Travel Survey

The 2010 Inter-Regional Travel Survey targets the inter-regional movement of domestic passengers in the following four categories.

(1) The movement of passengers who use inter-regional transportation modes including the airlines, inter-city high-speed rail services such as the Shinkansen, and long-distance buses.

"Inter-regional transportation mode" refers to the transportation mode used for travel beyond the borders of a prefecture, such as:

Air : Domestic scheduled airline services

Rail : Shinkansen (bullet train), JR limited express train, and some private

long-distance rail services

Sea : Sea lines including ferries

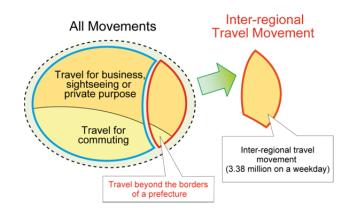
Bus: Inter-city buses and long-distance

buses

Car : Private cars, taxi, etc.

(2) Movement from actual point of departure to destination

"Inter-regional travel" refers to movement from the actual point of departure to a destination without taking into account any intermediate stop.



(3) Travel for purposes other than commuting

Travel for commuting is excluded, with the major purposes for travel being business, sightseeing, or visiting one's home town.

(4) Travel of passengers beyond the borders of a prefecture

Inter-regional travel refers to travel beyond the borders of a prefecture. Travel within a major city area including the Tokyo metropolitan area, Chukyo area, and Kinki area is regarded as being day-to-day travel within a prefecture and is thus excluded from the survey.

Inter-prefectural zones that are not based on prefectural boundaries

HOKKAIDO:

Dohoku, Doto, Do-o, Donan METROPOLITAN AREA:

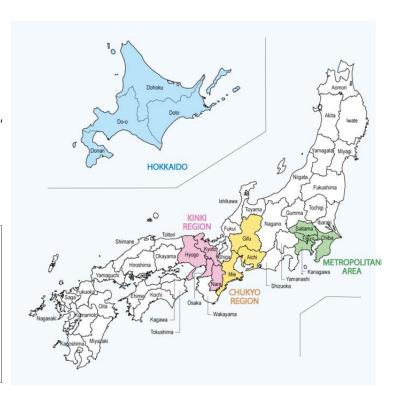
Tokyo, Kanagawa, Chiba, Saitama

CHUKYO REGION:

Aichi, Gifu, Mie

KINKI REGION:

Osaka, Kyoto, Hyogo, Nara



III. Procedure for producing inter-regional travel data

The 2010 Inter-regional Travel Survey was optimized through augmentation and integration processes using the following five types of data as the survey results.

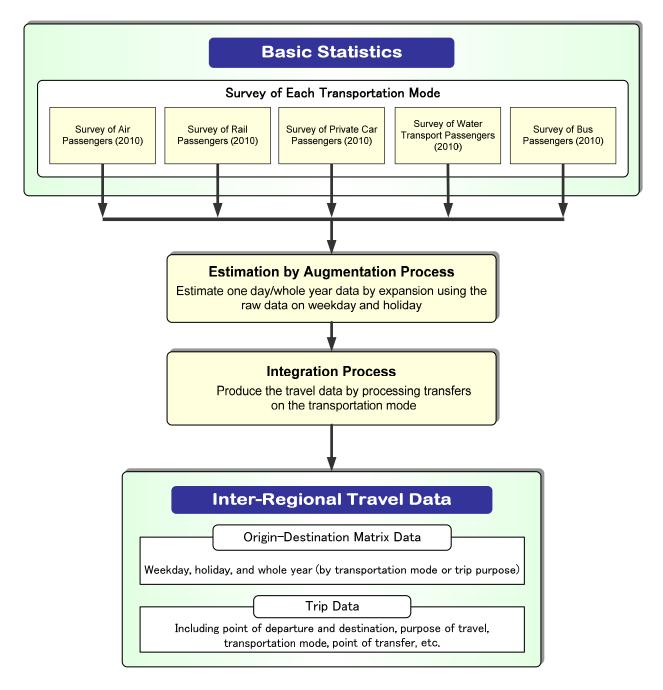


Figure 1 Procedure for producing inter-regional travel data, as used in the fifth survey

IV. Survey Results

1. Travel using each of the main transportation modes

- The volume of inter-regional travel registered 3,452,000 on a weekday and 5,847,000 on a holiday. Thus, the number of people traveling on a holiday is approximately 1.7 times as many as that on a weekday.
- The volume of cars on a holiday is approximately twice of that on a weekday.
- Inter-regional travel on a weekday consisted of 69% by car, about 21% by rail, and about 8% by air.
- The annual volume of inter-regional travel traffic in 2005 registered 1.62 billion, equivalent to 12.7 times/year/person (with a round trip being counted as "two times").
 - * A priority mode is applied to handle a passenger transferring from one mode to another, in the order of: (1) Air (2) Rail (3) Sea (4) Bus (5) Car. So, for example, if a passenger transfers to an airline from the railroad, it would be assumed that the main transportation mode used by the passenger was "Air."

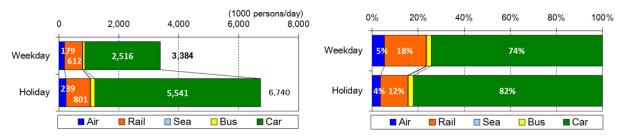


Figure 2 Volume of inter-regional travel on each main transportation mode/Distribution (weekday/holiday)

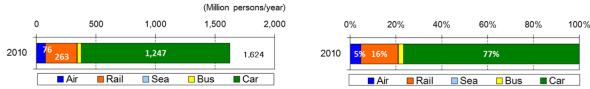


Figure 3 Volume of inter-regional travel on each main transportation mode/Distribution (annual)

2. Purpose of travel

- Upon comparing the purposes of travel on a weekday and a holiday, it is found that there are more business trips being made on a weekday, whereas there are more pleasure-related trips being made on a holiday.
- Considering the distribution of the transportation mode by purpose of travel, public transportation modes such as a rail and air are used more for business trips while cars are used more for pleasure-related trips.

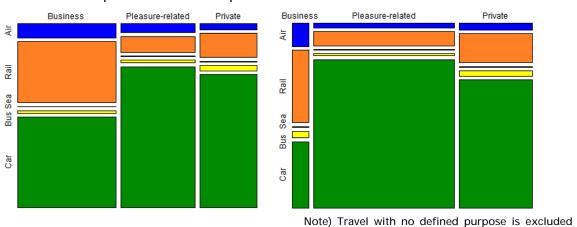
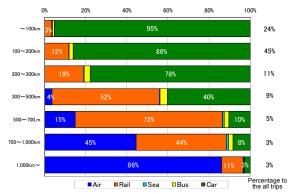


Figure 4 Traffic volume by purpose of travel/Distribution (weekday)

Figure 5 Traffic volume by purpose of travel/Distribution (holiday)

3. Distribution by distance

- Considering the transportation modes and the distance traveled on a weekday, it is apparent that cars are mostly used for short-distance travel of less than 300 km, rail is used for middle-distance travel of 300 to 700 km, and air is used for long-distance travel in excess of 700 km.
- Upon comparing the distribution of transportation on a weekday and a holiday, cars are used more on a holiday especially for the traveling distance of 300 to 500 km.



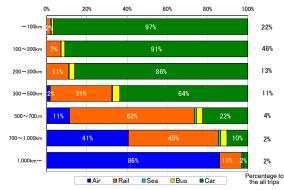


Figure 6 Distribution by distance (weekday)

Figure 7 Distribution by distance (holiday)

4. Distribution of main transportation modes used between the Tokyo metropolitan area and each prefecture

- Considering the distribution of transportation mode use for travel between the Tokyo metropolitan area (Tokyo and three prefectures) and areas along the Tokaido/Sanyo Shinkansen route, we find that cars are used mostly for short-distance travel, railroads for middle-distance travel, and airlines for trips involving long-distance travel.
- The rail and air modes compete with each other on distances of about 700 to 1,000 km from the Tokyo metropolitan area, such as Okayama, Hiroshima, and Yamaguchi.

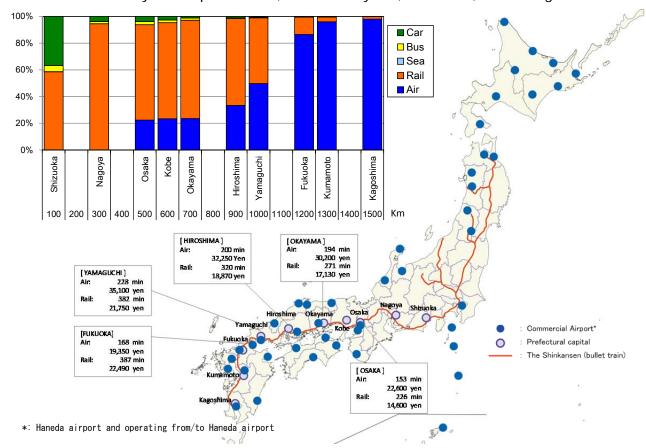


Figure 8 Distribution of main transportation modes for travel between the Tokyo metropolitan area and each prefecture (weekday)

V. Use of the data

The inter-regional travel data introduced in this brochure can be downloaded from the homepage of the Ministry of Land, Infrastructure, Transport and Tourism, Government of Japan of the Government of Japan. It is being offered in this way to make it available to a wide range of audiences.

(URL: http://www.mlit.go.jp/seisakutokatsu/jyunryuudou/)

Available Data

- Chart of travel data between prefectures based on transportation mode and purpose of travel (weekday/holiday)
- Chart of travel data between prefectures by main transportation modes and purpose of travel (weekday/holiday)
- Chart of travel data between prefectures based on transportation mode (annual)
- Chart of travel data between prefectures by main transportation modes (annual)

[Data Format]

Example: Chart of travel between prefectures by transportation mode and purpose of travel (Weekday)

Departure	Departure	Dest.	Dest.	Purpose	Purpose	Movement of Passengers					
Code	Name	Code	Name	Code		Air	Rail	Sea	Bus	Car	ALL
1	Dohoku	2	Aomori	1	Business	XXX	XXX	XXX	XXX	XXX	XXX

Note) You may download the data in text format from the homepage of the Ministry of Land, Infrastructure, Transport and Tourism, Government of Japan.

Contact: General Affairs Division, Policy Bureau

TEL: +81-3-5253-8111 (Extension 53114),

Ministry of Land, Infrastructure, Transport and Tourism, Government of Japan

2-1-3 Kasumigaseki, Chiyoda-ku, Tokyo 100-8918, Japan