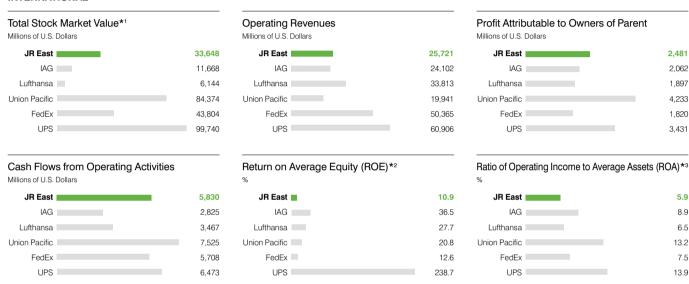
JR East: International and Domestic Perspectives

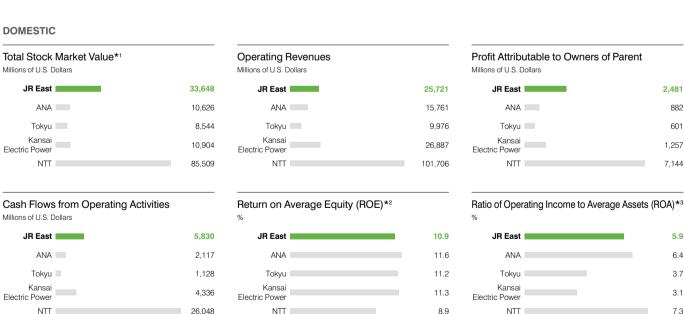
Peer Group Comparisons

In this section, several key performance indicators illustrate how JR East compares with selected well-known companies.

In scale and profitability, JR East is not to be outdone by any of the world's renowned transportation companies. It is a benchmark among public utilities in Japan—including the power and telecommunications companies—of an overwhelming scale and earnings performance above all of the other domestic airline and private railway operators.

INTERNATIONAL



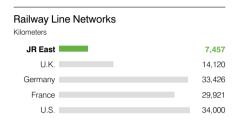


- *1 Data in these graphs has been computed from each company's share price and shares outstanding at the end of the previous fiscal year.
- *2 Average equity is the average of equity at the end of the previous and applicable fiscal years.
- *3 Average assets is the average of assets at the end of the previous and applicable fiscal years.
- In January 2011, British Airways and IBERIA underwent management integration to become IAG (International Airlines Group).
- Year ended March 31, 2017 (Year ended December 31, 2016, for IAG, Lufthansa, Union Pacific, and UPS and year ended May 31, 2016, for FedEx).
- ANA: ANA HOLDINGS INC.; Tokyu: Tokyu Corporation; NTT: Nippon Telegraph and Telephone Corporation
- Data in this section is based on consolidated figures from each company's annual report or financial press releases.
- The exchange rate used is the rate on March 31, 2017 (U.S.\$1=¥112, £1=\$1.25, and €1=\$1.07).
- Share prices at the close of the respective previous fiscal years and computed using the above exchange rates are \$86.55 for JR East, \$5.50 for IAG, \$13.10 for Lufthansa, \$103.68 for Union Pacific, \$164.97 for FedEx, \$114.64 for UPS, \$3.03 for ANA, \$7.04 for Tokyu, \$12.21 for Kansai Electric Power, and \$42.43 for NTT.

International Railway Comparisons

Japan relies on railways for around 30% of its transportation needs, a ratio much higher than in most other countries. This high reliance on railways due to the size of the economy and geographic characteristics affords railway companies an extremely large source of demand, especially in urban areas. In addition to being Japan's top railway company, JR East is one of the largest railway companies in the world.

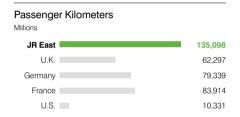
TRANSPORTATION MARKET











- Figures are as of March 2017 for JR East, March 2015 for the U.K., December 2014 for France and Germany, and September 2016 for the U.S.
- U.K.: Association of Train Operating Companies (Railway tracks are owned by Network Rail Ltd.); Germany: Deutsche Bahn AG: France: Société Nationale des Chemins de fer Français (SNCF) (Railway tracks are owned by Réseau Ferré de France (RFF)); and U.S.: National Railroad Passenger Corporation (Amtrak).
- Revenues from railway operations do not include freight and other service revenues
- Figures for JR East do not include Tokyo Monorail.
- The exchange rate used is U.S.\$1=¥112 as of March 2017 for JR East and €1=U.S.\$1.08 as of March 2015 for the others. Source: International Railway Statistics 2015 and Amtrak National Facts

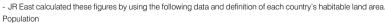
FUNDAMENTALS





Per Square Kilometer 2016 336 1,624 268 U.K. 308 226 Germany == 332 117 France = 170 33 U.S. 📱 48 Population per square kilometer of total national land area

Population Density



Japan: Current Population Estimates, Ministry of Internal Affairs and Communications Statistics Bureau Other countries: United Nations data

Habitable land area

Japan: Land White Paper, Ministry of Land, Infrastructure, Transport and Tourism. Total area minus forests and woodland, barren land, area under inland water bodies, and other

Other countries: Global Forest Resources Assessment 2016, FAO

Population per square kilometer of habitable land area

JR East: International and Domestic Perspectives

Railway Operations in Japan

In Japan, demand for railway transportation is significant due to geographical characteristics and the scale of railway networks. Reliance on railways is particularly high in cities.

SHARE OF DOMESTIC TRANSPORTATION

Number of Passengers



			2015
Years ended March 31		Millions	%
Railways	■JR East	6,219	20.8
	Other railways	17,381	58.3
	■ Motor vehicles*	6,057	20.3
	Airlines	95	0.3
	Ships	86	0.3
	Total	29,838	100.0

Passenger Kilometers



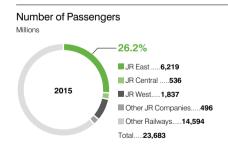
			2015
Years ended March 31		Millions	%
Railways	■ JR East	130,069	22.6
	Other railways	283,901	49.3
	■ Motor vehicles*	72,579	12.6
	Airlines	86,763	15.0
	Ships	2,923	0.5
	Total	576,235	100.0

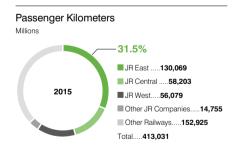
As of March 31, 2015

Source: Summary of Transport Statistics, Ministry of Land, Infrastructure, Transport and Tourism

SHARE OF DOMESTIC RAILWAYS











As of March 31, 2015

- Figures for Passenger Line Network do not include freight traffic.
- Figures for Rolling Stock Kilometers do not include locomotives and freight cars.
- Figures for Tokyo Monorail are included in other railways.
 Source: Statistics of Railways 2014, Ministry of Land, Infrastructure, Transport and Tourism

^{* &}quot;Motor vehicles" only includes commercial vehicles. It does not include private passenger cars and light cars.

⁻ Figures for Tokyo Monorail are not included in JR East.

Financial Overview of JR Passenger Railway Companies

JR East accounts for about 50% of the total operating revenues of the three largest JR passenger railway companies. JR East's immense and stable operating base contributes to large and consistent earnings and cash flows.



Operating Revenues

Billions of Yen

2017	
JR East	2,880.8
JR Central	1,757.0
JR West	1,441.4
2016	
JR East	2,867.2
JR Central	1,738.4
JR West	1,451.3

		Millions of Yen
Years ended March 31	2016	2017
JR East	2,867,200	2,880,802
JR Central	1,738,409	1,756,980
.IR West	1 451 300	1 441 411

Profit Attributable to Owners of Parent

Billions of Yen

2017

JR East	277.9
JR Central	392.9
JR West	91.3
2016	
JR East	245.3
JR Central	337.4
JR West	85.9

		IVIIIIONS OF FEN
Years ended March 31	2016	2017
JR East	245,310	277,925
JR Central	337,440	392,913
JR West	85,868	91,288

Free Cash Flows

Billions of Yen

Dillions of Ton		
2017		
JR East		95.4
JR Central		-1,329.0
JR West		-61.7
2016		
JR East		173.5
JR Central		431.2
JR West	-	26.7

		WIIIIOUS OF FELL
Years ended March 31	2016	2017
JR East	173,534	95,368
JR Central	431,190	(1,328,982)
JR West	26,661	(61,664)

Return on Average Equity (ROE)

2017

JR East	10.9
JR Central	15.7
JR West	10.0
016	

Years ended March 31	2016	2017
		%
JR West		10.2
JR West		10.2
or contai		10.0
JR Central		15.6

JR East	10.4	10.9
JR Central	15.6	15.7
JR West	10.2	10.0

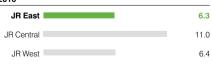
Ratio of Operating Income to Average Assets (ROA)

 2017

 JR East
 5.9

 JR Central
 10.1

 JR West
 6.0



		%
Years ended March 31	2016	2017
JR East	6.3	5.9
JR Central	11.0	10.1
JR West	6.4	6.0

⁻ Data in this section has been calculated by JR East based on figures in JR Central's and JR West's financial press releases.

10.4

Equity Ratio

2017

JR East	31.4
2016	
JR West	31.3
JR Central	38.2
JR East	33.5

JR East	3.	1.4
JR Central	4	4.0
JR West	3	0.9

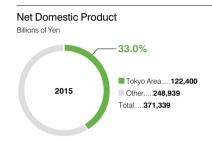
		70
Years ended March 31	2016	2017
JR East	31.4	33.5
JR Central	44.0	38.2
JR West	30.9	31.3

JR East: International and Domestic Perspectives

Railway Operations in Tokyo

The Tokyo metropolitan area accounts for roughly 30% of the population and economic base in Japan and has a population density far higher than any other region in the country. JR East alone provides nearly half of the huge volume of railway transportation in the Tokyo metropolitan area, where railways account for roughly 50% of all transportation.

FUNDAMENTALS



Year ended March 31, 2015 Source: Annual Report on Prefectural Economies, Cabinet Office



As of October 1, 2016 Source: Current Population Estimates and Census, Ministry of Internal Affairs and Communications

Population Density Per Square Kilometer 2016



As of October 1, 2016

- JR East calculated these figures by using data from the following sources: Current Population Estimates and Census, Ministry of Internal Affairs and Communications, and statistics from the Geographical Survey Institute.
- The statistics on this page are based on governmental boundaries and do not strictly correspond with JR East's operating area segments.

Passenger Line Networks Kilometers		Passenger Kilometers Millions		Revenues from Passenger Tickets Billions of Yen	
JR East	1,106.1	JR East	82,590	JR East	902.8
Tobu	463.3	Tobu	12,616	Tobu	144.8
Tokyo Metro	195.1	Tokyo Metro	20,753	Tokyo Metro	327.2
Seibu	176.6	Seibu	8,741	Seibu	97.0
Keisei	152.3	Keisei □	3,877	Keisei	58.7
Toei	131.2	Toei 📉	6,551	Toei	141.7
Odakyu	120.5	Odakyu	11,487	Odakyu	118.6
Tokyu —	104.9	Tokyu	10,987	Tokyu	137.2
Keikyu ===	87.0	Keikyu ==	6,383	Keikyu	78.7
Keio 🚃	84.7	Keio	7,630	Keio	80.3
Sagami ■	35.9	Sagami □	2,554	Sagami ■	31.0

	Passenger Line Networks*1		Passenger Kilometers *2		Revenues from Passenger Tickets*2	
	km	%	Millions	%	Billions of Yen	%
JR East	1,106.1	41.6	82,590	47.4	902.8	42.6
Tobu Railway	463.3	17.4	12,616	7.2	144.8	6.8
Tokyo Metro	195.1	7.3	20,753	11.9	327.2	15.4
Seibu Railway	176.6	6.7	8,741	5.0	97.0	4.6
Keisei Electric Railway	152.3	5.7	3,877	2.2	58.7	2.8
Toei (Tokyo Metropolitan Government)	131.2	4.9	6,551	3.8	141.7	6.7
Odakyu Electric Railway	120.5	4.5	11,487	6.6	118.6	5.6
Tokyu Corporation	104.9	4.0	10,987	6.3	137.2	6.5
Keikyu Corporation	87.0	3.3	6,383	3.7	78.7	3.7
Keio Electric Railway	84.7	3.2	7,630	4.4	80.3	3.8
Sagami Railway	35.9	1.4	2,554	1.5	31.0	1.5
Total	2,657.6	100.0	174,169	100.0	2,117.9	100.0

^{*1} As of March 31, 2016.

Sources

- Toei (Tokyo Metropolitan Government): Figures are from the website of the Transportation Bureau of the Tokyo Metropolitan Government. Passenger kilometers are from Statistics of Railways 2016, Ministry of Land, Infrastructure, Transport and Tourism.
- Other: Website of the Association of Japanese Private Railways. Revenues from passenger tickets are based on figures from the financial press releases of each company.

^{*2} For the year ended March 31, 2016.

⁻ Figures do not include freight lines.

⁻ Data used for JR East is that of the Tokyo Metropolitan Area Network and does not include Tokyo Monorail.

Analysis of JR East's Railway Operations

The fact that two-thirds of its transportation revenues come from Tokyo and the Kanto region, where most of the population and economic base in Japan resides, shows the solidness of JR East's management platform.

As another strength, the Company is largely immune to economic fluctuations, as commuter passes account for over a fourth of transportation revenues overall, and 40% of those revenues are from the Kanto region.

COMPOSITION BY OPERATING AREA

Passenger Line Network



	Passeng	Passenger Line Network*	
	km	%	
Shinkansen Network	1,194.2	16.0	
Conventional Lines (Kanto Area Network)	2,535.9	34.0	
Conventional Lines (Other Network)	3,727.2	50.0	
Total	7,457.3	100.0	

Payanuas from Passanger Tiekete*

Passenger	Kilometer	s*			
				Millions	%
			2016	2017	2017 / 2016
Shinkansen		Commuter Passes	1,740	1,754	100.8
Network		Other	21,108	21,422	101.5
		Total	22,848	23,176	101.4
Conventional	Total	Commuter Passes	72,992	73,276	100.4
Lines		Other	38,587	38,644	100.1
		Total	111,579	111,921	100.3
	Kanto Area Network	Commuter Passes	69,908	70,202	100.4
		Other	35,966	36,113	100.4
		Total	105,875	106,315	100.4
	Other Network	Commuter Passes	3,083	3,074	99.7
		Other	2,621	2,530	96.5
		Total	5,704	5,605	98.3
Total		Commuter Passes	74,732	75,031	100.4
		Other	59,695	60,066	100.6
		Total	134,428	135,098	100.5

				Millions of Yen	%
			2016	2017	2017 / 2016
Shinkansen		Commuter Passes	23,616	23,878	101.1
Network		Other	554,596	560,507	101.1
		Total	578,213	584,385	101.1
Conventional Lines	Total	Commuter Passes	470,822	474,529	100.8
		Other	755,896	757,293	100.2
		Total	1,226,719	1,231,823	100.4
	Kanto Area Network	Commuter Passes	452,336	456,052	100.8
		Other	703,850	707,001	100.4
		Total	1,156,186	1,163,053	100.6
	Other	Commuter Passes	18,486	18,477	100.0
	Network	Other	52,046	50,292	96.6
		Total	70,533	68,769	97.5
Total		Commuter Passes	494,439	498,408	100.8
		Other	1,310,493	1,317,800	100.6

Total

- * Year ended March 31, 2017
- Percentages represent revenues from passenger tickets attributable to commuter passes for each segment.
- Revenues from the conventional line segments of hybrid Shinkansen services are credited to Conventional Lines (Other Network).
- Passenger kilometers and revenues from the conventional line segments of hybrid Shinkansen services are credited to Conventional Lines (Other Network).
- Figures do not include Tokyo Monorail.
- The Kanto Area Network encompasses the area encompassed under the previous classification of the Tokyo Metropolitan Area Network (Tokyo Branch Office, Yokohama Branch Office, Hachioji Branch Office, and Omiya Branch Office) and the areas covered by Takasaki Branch Office, Mito Branch Office, and Chiba Branch Office.

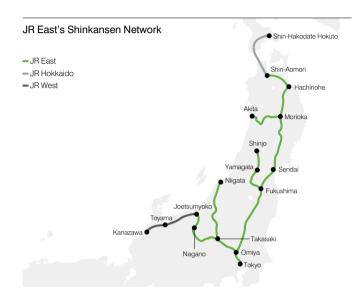
100.6

1,804,932 1,816,209

JR East: International and Domestic Perspectives

Other Data

JR East owns many stations with high potential that are used by numerous customers. JR East is carrying out its life-style service business utilizing these stations to enhance customer convenience and comfort and to raise profitability.



Competition with Airlines

	Distance from Tokyo km	Time Required	JR Share %
Aomori	713.7	2:59	79
Akita	662.6	3:37	60
Morioka	535.3	2:10	100
Sendai	351.8	1:30	100
Yamagata	359.9	2:26	97
Niigata	333.9	1:37	100
Kanazawa	450.5	2:28	75

Note: Data shown here is as of March 31, 2017 (except JR share on Tokyo—Hakodate Line as of March 31, 2016). Information concerning required time is according to the JR Time Table, June 2017 issue. Market shares of trains and flights are calculated based on the number of flight departures and arrivals at Haneda Airport. Approximate time required for trains is indicated using the maximum speed of a regularly-operated train from Tokyo.

Number of Busy Stations

More than 100,000 passengers per day

2017	Stations
JR East	97
JR Central	5
JR West	14
Tokyu 🗖	19
■ More than 200,000 passengers per day	

	More than 200,000 passengers per day	More than 100,000 passengers per day
JR East	41	97
JR Central	1	5
JR West	5	14
Tokyu	5	19

Notes

- Tokyu = Tokyu Corporation
- Year ended March 31, 2016, for JR Central and JR West, year ended March 31, 2017, for JR East and Tokyu.
- Data is based on figures from JR Central, JR West, and Tokyu.
- The number of station users at stations of JR East, JR Central, and JR West represents twice the number of passengers embarking.

Comparison of Major Department Stores, Retail Sales, and Convenience Stores Billions of Yen

Operating Revenues	Billions of Yen
JR East	400.0
Takashimaya	797.3
7-Eleven Japan	4,515.6
Tokyu	675.2
JR West	233.9

	Millions of Yen
JR East	399,678
Takashimaya	797,253
7-Eleven Japan	4,515,605
Tokyu	675,180
JR West	233,908

Notes:

- Takashimaya = Takashimaya Company, Limited;
 7-Eleven Japan = Seven-Eleven Japan Co., Ltd.;
 Tokyu = Tokyu Corporation
- Year ended March 31, 2017 (year ended February 28, 2017, for Takashimaya and 7-Eleven Japan)
- Data is based on figures from the financial press releases of each company.
- The following figures are used as operating revenues: JR East: Station space utilization, segment revenues from outside customers; Takashimaya: Department store business, segment revenues from outside customers; 7-Eleven Japan: Total store sales (nonconsolidated); Tokyu: Retail operating revenues; and JR West: Sales of goods and food services business, segment revenues from third parties.

Comparison of Real Estate Leasing to Retailers and Other Tenants

Operating Revenues		Billions of Yen
JR East		267.6
Mitsui		519.9
Tokyu		131.9
JR West		109.6

	Millions of Yen
JR East	267,638
Mitsui	519,938
Tokyu	131,949
JR West	109,590

Notes:

- Mitsui = Mitsui Fudosan Co., Ltd.Tokyu = Tokyu Corporation
- Year ended March 31, 2017
- Data is based on figures from the financial press releases of each company.
- The following figures are used as operating revenues: JR East: Shopping centers & office buildings, segment revenues from outside customers Mitsui: Office buildings and commercial facilities revenues in

leasing segment, outside customers

Tokyu: Real estate business, segment revenues

from outside customers