

Improvement mainly in the manufacturing industry for the third straight month

~ Worsening in services targeting individuals due to the declaration of a state of emergency etc., and increasing polarization in business confidence ~

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(Companies researched: 23,707; Valid responses: 11,003; Response rate: 46.4%; Survey start date: May 2002)

< Overview of April 2021: Upswing >

The economic diffusion index (DI) in April 2021 was 38.3, up 0.3 points from the previous month, and improved for the third straight month. Amid suppressed economic activities, the domestic economy improved for the third straight month, mainly in the manufacturing industry.

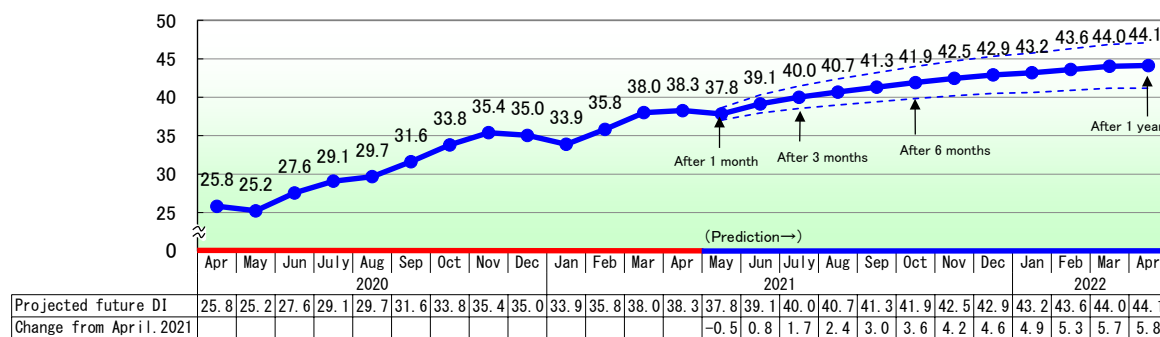
< Future outlook: Moderate upswing trend >

Although a temporary depression is seen, the economy is expected to improve at a moderate pace.

By industry: The economy in the manufacturing industry has been improving, but worsened in services targeting individuals.

By size: The economy improved for the third straight month in “large enterprises” and “SMEs”, but worsened in “small enterprises”.

By region: The economy improved in eight of the ten regions. “Semi-state of emergency coronavirus measures” affected business confidence in each region.



*: Economic DIs are calculated based on the structural ARIMA model, in which economic statistics are incorporated to the ARIMA model.

Economic Diffusion Index (Economic DI)1/2

	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Ratio to the Previous Month
Total	25.8	25.2	27.6	29.1	29.7	31.6	33.8	35.4	35.0	33.9	35.8	38.0	38.3	0.3
Large Firms	28.2	28.1	30.1	31.7	32.4	33.9	36.4	37.6	37.4	36.3	38.2	40.2	40.8	0.6
Small to Medium-sized Firms	25.3	24.6	27.0	28.5	29.1	31.1	33.3	34.9	34.5	33.4	35.3	37.5	37.7	0.2
Micro Firms	25.4	24.6	27.8	29.4	30.0	32.0	33.9	35.2	34.2	32.8	34.7	36.7	36.3	▲ 0.4

	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Ratio to the Previous Month
Agriculture,Forestry,Fisheries	28.2	25.1	29.6	31.4	31.0	30.3	34.4	38.7	35.4	30.9	33.8	35.0	37.5	2.5
Finance	27.3	28.7	32.4	31.5	32.6	35.3	38.3	37.7	35.6	36.1	38.3	39.2	38.3	▲ 0.9
Construction	33.9	33.5	36.3	37.5	38.4	40.4	41.1	41.8	40.9	39.4	40.6	41.6	41.4	▲ 0.2
Real Estate	21.9	23.5	29.2	32.5	33.1	35.6	36.4	36.8	36.4	35.5	38.3	40.6	40.8	0.2
Manufacturing	Food,BEWerages,Livestock Feed	24.8	24.6	27.2	29.6	30.5	32.0	34.2	36.0	32.5	30.7	30.8	34.4	0.8
	Textile,Textile Products,Clothing	16.7	17.7	17.9	19.8	20.3	23.5	24.7	26.8	26.1	24.5	26.0	26.8	1.9
	Construction Materials,Furniture,Ceramics,Stone and Clay Products	29.2	26.5	28.1	28.3	29.8	31.3	35.1	36.0	37.3	37.2	37.8	39.3	1.5
	Pulp, Paper and Paper Products	24.0	21.4	19.3	21.0	22.9	24.1	26.2	29.2	29.3	27.6	29.4	33.0	1.3
	Publishing,Printing	16.8	14.4	16.0	15.8	18.8	20.4	21.9	22.7	21.8	20.2	22.2	26.0	1.2
	Chemical	27.5	25.3	25.9	27.3	27.8	31.1	34.4	37.7	39.3	38.0	40.9	43.3	0.9
	Steel,Nonferrous Metals,Mining	23.6	21.5	20.8	22.3	23.6	25.4	29.2	33.1	34.3	33.9	37.0	39.3	1.2
	General Machinery	25.3	23.6	23.5	24.6	25.0	26.5	29.1	31.7	33.5	33.6	36.9	41.2	0.9
	Electrical Machinery	27.6	26.1	27.0	27.5	27.7	28.9	33.0	34.8	35.5	36.1	39.6	42.6	0.6
	Transportation Machinery,Equipment	22.2	18.2	18.1	21.2	24.2	27.8	34.9	36.3	40.1	40.1	40.3	45.3	▲ 0.1
	Precision Machinery,Medical Instruments and Equipment	27.2	26.3	28.6	28.1	29.6	30.2	32.7	35.5	37.1	37.9	42.4	44.6	1.0
	Other	20.7	19.8	23.9	25.2	22.8	26.3	29.0	29.6	31.9	31.5	31.4	34.1	1.2
	Total	24.7	23.0	23.6	24.9	25.9	27.8	31.0	33.3	33.9	33.4	35.6	38.5	1.0
Wholesale	Food,BEWerages	21.3	21.0	24.5	27.3	27.2	30.2	32.0	31.6	29.5	26.8	29.2	30.7	▲ 0.6
	Textile,Textile Products,Clothing	10.3	11.4	15.8	18.2	18.0	19.4	22.6	22.3	22.7	21.2	19.8	23.9	▲ 0.8
	Construction Materials,Furniture,Ceramics,Stone and Clay Products	27.9	27.7	29.6	30.2	30.4	31.7	33.9	35.9	36.1	34.7	34.8	36.7	0.5
	Paper Products,Stationery,Books	22.0	19.1	19.0	21.9	23.2	24.0	26.9	26.7	28.3	26.3	29.3	32.2	0.2
	Chemical	28.9	27.4	27.6	29.2	29.5	30.1	32.3	36.1	35.7	34.3	37.7	39.1	1.8
	Recycled Resources	18.7	18.8	23.8	24.5	27.8	30.2	32.9	38.7	44.4	45.6	42.4	45.4	9.7
	Steel,Nonferrous Metals,Mining Products	23.2	22.8	24.0	24.5	25.3	26.4	30.5	32.1	34.0	32.6	33.4	36.0	1.2
	Machinery,Equipment	25.9	25.1	27.4	29.0	28.6	30.6	33.1	34.6	34.4	34.6	36.7	39.5	0.6
	Other	21.4	19.8	23.1	25.1	25.4	27.6	30.6	33.0	31.6	29.0	31.3	34.4	▲ 0.3
	Total	23.7	23.0	25.3	27.0	27.1	28.9	31.5	33.0	32.8	31.6	33.3	35.8	0.4

Economic Diffusion Index (Economic DI)2/2

		Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Ratio to the Previous Month
Retail	Food,BEWerages	26.3	27.4	30.8	30.7	29.1	34.0	38.8	37.0	34.6	33.8	33.1	34.1	32.8	▲ 1.3
	Textile,Textile Products,Clothing	11.4	8.8	23.6	24.7	24.0	19.9	27.8	23.7	22.0	22.7	21.4	23.3	25.0	1.7
	Drugs,Sundries	28.7	25.3	32.7	32.7	31.3	32.6	33.3	29.8	31.3	30.2	32.5	31.1	35.8	4.7
	Furniture	10.8	15.5	31.7	40.0	38.9	38.5	37.5	38.9	35.4	34.4	36.7	38.9	42.7	3.8
	Electrical Household Appliances, Information Machinery and Equipment	19.3	21.9	33.8	29.8	30.5	30.6	34.2	33.3	29.5	28.3	36.3	34.4	37.8	3.4
	Motor Vehicles,Motor Vehicle Parts	17.0	15.8	25.4	29.3	29.3	32.4	34.6	40.2	37.2	35.7	37.6	37.0	38.3	1.3
	Special Merchandise	20.2	19.9	27.7	30.2	30.0	31.6	33.9	33.3	34.7	32.6	35.5	35.9	34.6	▲ 1.3
	Various Merchandise	32.3	29.9	34.5	40.9	36.9	37.0	37.6	37.3	39.2	38.7	36.2	37.3	32.2	▲ 5.1
	Other	26.9	30.6	31.8	26.7	25.9	33.3	33.3	34.8	33.3	30.3	33.3	35.0	40.5	5.5
	Total	21.2	21.1	29.1	31.0	30.3	32.1	34.8	35.0	34.2	32.9	34.5	34.9	34.7	▲ 0.2
Transportation,Warehousing		22.4	22.7	21.5	24.2	25.4	28.1	30.1	32.5	31.5	30.0	31.7	33.9	34.5	0.6
Service	Restaurants	4.3	5.5	13.8	13.7	12.7	14.5	18.2	21.0	15.3	10.3	12.8	18.9	14.9	▲ 4.0
	Postal,Telecommunications	30.3	33.3	43.3	41.7	42.6	46.7	41.7	47.2	38.9	46.3	38.1	43.8	38.9	▲ 4.9
	Electricity,Gas,Water,Heat	28.4	32.4	34.4	34.9	42.5	42.5	40.4	40.0	38.6	42.5	39.5	47.1	40.4	▲ 6.7
	Leasing,Rentals	27.8	29.1	30.2	31.4	32.7	34.5	34.9	37.5	36.2	33.5	32.8	35.0	35.4	0.4
	Lodging, Hotels	1.5	2.9	4.8	5.1	6.0	12.4	27.2	28.8	11.9	3.4	4.4	10.9	8.6	▲ 2.3
	Recreation	5.6	9.3	11.5	17.5	22.9	22.4	23.7	29.0	27.0	24.0	25.8	33.1	25.8	▲ 7.3
	Broadcasting	22.9	22.5	26.7	25.6	34.5	33.3	34.4	38.6	42.2	36.3	42.6	51.0	42.7	▲ 8.3
	Maintenance,Guarding,Testing	27.5	26.6	29.9	33.2	34.1	36.5	38.5	38.5	38.6	36.3	37.5	40.4	39.2	▲ 1.2
	Advertising	11.3	10.7	14.3	19.0	18.0	20.4	21.1	22.3	22.5	20.2	24.7	26.5	25.6	▲ 0.9
	Information	33.7	34.0	35.8	37.2	37.9	38.9	40.1	41.6	41.2	41.3	43.6	45.5	45.2	▲ 0.3
	Labor Dispatching	21.0	20.0	25.3	24.6	25.4	26.7	29.2	34.3	31.5	31.6	33.6	34.1	35.8	1.7
	Special Services	31.4	32.2	35.0	36.7	36.1	40.0	40.7	42.5	41.0	38.8	42.9	43.6	43.5	▲ 0.1
	Medical,Welfare,Public Health	26.4	26.1	30.5	29.9	31.0	31.4	33.6	34.9	34.8	32.7	34.7	37.1	39.1	2.0
	Education	13.9	18.8	28.0	29.5	31.7	34.0	34.7	34.0	34.0	33.3	34.0	32.1	35.7	3.6
	Other	21.2	21.8	26.6	28.7	28.4	31.1	31.6	31.4	32.6	30.9	34.2	34.5	34.8	0.3
Total		25.8	26.1	29.4	31.2	31.8	33.9	35.1	36.8	35.7	33.9	36.5	38.5	37.9	▲ 0.6
Other		24.4	26.2	27.1	29.3	28.8	31.5	28.2	29.4	30.8	29.5	30.5	34.4	34.1	▲ 0.3

		Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Ratio to the Previous Month
Hokkaido		28.4	27.5	30.6	32.3	33.4	34.4	36.0	34.4	33.0	32.4	33.9	35.3	36.2	0.9
Tohoku		26.0	25.3	28.5	29.7	30.4	32.6	34.4	36.0	35.4	33.8	35.4	36.8	38.0	1.2
kitakanto		25.8	24.5	26.2	27.1	28.0	30.6	33.2	36.6	35.9	34.9	37.2	39.2	39.7	0.5
minamikanto		26.3	25.5	28.4	29.7	30.4	32.3	34.2	35.3	35.2	34.0	35.9	38.4	38.7	0.3
Hokuriku		24.9	25.1	26.5	27.5	28.5	30.0	31.8	34.7	35.0	32.7	34.6	38.2	38.6	0.4
Tokai		23.7	23.4	25.3	27.0	27.7	30.3	32.6	35.6	35.3	34.1	36.1	38.4	38.9	0.5
Kinki		23.9	23.8	25.9	27.8	28.1	29.5	32.4	34.1	33.9	33.1	35.5	37.4	37.0	▲ 0.4
Chugoku		27.0	25.7	27.2	29.4	29.7	32.0	34.3	35.5	34.8	34.5	36.2	37.7	37.8	0.1
Shikoku		30.8	28.5	30.3	30.5	31.5	32.6	33.9	35.3	35.4	33.8	35.4	37.5	36.4	▲ 1.1
Kyushu		27.5	27.4	29.7	32.5	31.8	34.2	36.9	37.7	36.9	35.3	37.0	39.0	39.5	0.5

Appendix

1. Research Subjects (Companies researched: 23,707; Valid responses: 11,003; Response rate: 46.4%)

1. Region

Hokkaido	525	Tokai	1,182
Tohoku	736	Kinki	1,899
kitaKanto	809	Chugoku	635
minamikanto	3,335	Shikoku	427
Hokuriku	598	Kyushu	857
		Total	11,003

2. Industry (10 Industries 51 Lines of business)

Agriculture, Forestry, Fisheries		72
Finance		114
Construction		1,826
Real Estate		361
Manufacturing (2,996)	Food, Beverages, Livestock Feed	362
	Textile, Textile Products, Clothing	121
	Construction Materials, Furniture, Ceramics, Stone and Clay Products	230
	Pulp, Paper and Paper Products	109
	Publishing, Printing	178
	Chemical	402
	Steel, Nonferrous Metals, Mining	514
	General Machinery	493
	Electrical Machinery	330
	Transportation Machinery, Equipment	100
	Precision Machinery, Medical Instruments and Equipment	72
	Others	85
Wholesale (2,914)	Food, Beverages	384
	Textile, Textile Products, Clothing	200
	Construction Materials, Furniture, Ceramics, Stone and Clay Products	338
	Paper Products, Stationery, Books	103
	Chemical	281
	Recycled Resources	36
	Steel, Nonferrous Metals, Mining Products	316
	Machinery, Equipment	905
	Others	351

Retail (467)	Food, Beverages	68
	Textile, Textile Products, Clothing	36
	Drugs, Sundries	27
	Furniture	16
	Electrical Household Appliances, Information Machinery and Equipment	37
	Motor Vehicles, Motor Vehicle Parts	84
	Special Merchandise	149
	Various Merchandise	43
	Others	7
Transportation, Warehousing		473
Service (1,735)	Restaurants	58
	Telecommunications	9
	Electricity, Gas, Water, Heat	19
	Leasing, Rentals	119
	Lodging, Hotels	35
	Recreation	53
	Broadcasting	16
	Maintenance, Guarding, Testing	178
	Advertising	105
	Information	451
	Labor Dispatching	62
	Special Services	279
	Medical, Welfare, Public Health	125
	Education	28
	Others	198
Others		45
Total		11,003

3. Size

Large Firms	1,902	17.3%
Small to Medium-sized Firms	9,101	82.7%
micro Firms	3,301	30.0%
Total	11,003	100.0%

2. Research Items

- *Business Confidence (current, in 3 months, in 6 months, in 1 year)
- *Business Conditions (sales, purchasing and selling unit price, inventory, capacity utilization ratio, number of employees, overtime work hours)

3. Research Period and Methodology

Internet-based survey conducted April 16 – 30 2021

The explanation of the Economic Diffusion Index

Research Purpose/Researched Terms

TDB Economic Trend Research (started from May 2002) is a monthly statistical survey conducted for over 20,000 nationwide corporations on their general business activities including the current condition and future outlook of the industry business performance and operating climate. The primary purpose of such a survey is to assess the current state of Japan's economy.

Selection of the Subject Corporations

Companies of all sizes in all domestic industries are eligible to participate in the survey.

DI Calculation

The DI (Diffusion Index) is calculated by multiplying the number of responses for each assessment category by the number given in parentheses in the table below, to a seven-level assessment rated by companies.

Selection category	Extremely good	good	fairly good	neither good nor bad	fairly bad	bad	very bad
points	6	5	4	3	2	1	0
number of responses for each category	N ₆	N ₅	N ₄	N ₃	N ₂	N ₁	N ₀

Economic DI

$$= \frac{\text{Total of (Points for each category} \times \text{Number of responses for each category)}}{\text{Number of valid responses } N} \times \frac{1}{6} \times 100$$

$$\equiv \frac{\sum_{i=0}^6 i \times N_i}{N} \times \frac{1}{6} \times 100$$

An economic DI of 50 is **the point separating good and bad**, so a DI over 50 means “good,” and below 50 means “bad.” (The numbers are rounded off to one decimal place.) No weight is given according to a company's size, and calculations are made on the basis of “one company, one vote.”

Size Classification

Industry	Large Firms	Small to Medium-Sized Firms (Micro Firms included)	Micro Firms
Manufacturing and Other Industries*	Capital: More than 300 million yen and No. of Employee: Over 300	Capital: Below 300 million yen or No. of Employee: Below 300	No. of Employee: Below 20
Wholesale Trade	Capital: More than 100 million yen and No. of Employee: Over 100	Capital: Below 100 million yen or No. of Employee: Below 100	No. of Employee: Below 5
Retail Trade	Capital: More than 50 million yen and No. of Employee: Over 50	Capital: Below 50 million yen or No. of Employee: Below 50	No. of Employee: Below 5
Service**	Capital: More than 50 million yen and No. of Employee: Over 100	Capital: Below 50 million yen or No. of Employee: Below 100	No. of Employee: Below 5

Note1: Large Firms refer to companies that rank in the top 3% in terms of sales volume according to the type of business, among small to medium-sized corporations excluding micro firms, which are defined in Small and Medium Enterprises Basic Act.

Note2: Small to Medium-Sized Firms refer to companies that rank in the bottom 50% in terms of sales volume according to the type of business, among those not categorized as small to medium-sized corporations in Small to Medium-Sized Enterprises Basic Act.