

## What's New:

Central Government Debt (As of the end of June, 2022)

## Monthly Topic:

Quarterly Estimates of GDP Apr.-Jun. 2023

## Q&A:

The Japanese government's budget process and the JGB Issuance Plan

## IR Office:

Institutional Investor's 18th Annual Japan Investment Forum



Cover Photo: Mr. Takahiro Tsuji, Deputy Director-General, Financial Bureau, at the “18th Annual Japan Investment Forum” in Tokyo

## SUMMARY

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### IR Office:

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On September 6, Mr. Takahiro Tsuji, Deputy Director-General, Financial Bureau, gave a presentation on "Japan's Economy and Public Debt Management" at the 18th Annual Japan Investment Forum in Tokyo.

On August 25, we held a seminar on the development of the JGB market and debt management policy for Central Asian and Caucasus countries.

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## What's New: Central Government Debt (As of the end of June, 2023)

The MOF released an update on central government debt on August 10. Outstanding debt and its composition as of the end of June 2023 are as follows:

### Main Points

- Outstanding government bonds and borrowings increased by 5.8 trillion yen to 1,276.3 trillion yen from the end of March (1,270.5 trillion yen), which was the highest amount ever. The total amount for General Bonds, FILP Bonds, and Borrowings and Subsidy Bonds, etc. decreased by 0.5 trillion yen, 2.6 trillion yen and 2.3 trillion yen respectively, while FBs increased by 11.1 trillion yen.
- Long-term outstanding central government debt, which does not include FILP Bonds, FBs or some borrowing related to local governments, increased to 1,053.2 trillion yen from the end of March (1,052.8 trillion yen), which was the highest amount ever.

### Central Government Debt

	The end of June 2023 (Actual)	Increase or Decrease (-) from the end of the Previous Quarter
(trillion yen)		
<b>1) Outstanding Government Bonds and Borrowings</b>		
General Bonds	1,026.6	- 0.5
Fiscal Investment and Loan Program Bonds (FILP Bonds)	98.3	- 2.6
Borrowings, Subsidy Bonds, etc.	55.8	- 2.3
Financing Bills (FBs)	95.6	11.1
<b>Total</b>	<b>1,276.3</b>	<b>5.8</b>
<b>2) Outstanding Government-Guaranteed Debts</b>		
Government-Guaranteed Debts	30.3	0.9

- Notes:
1. Figures may not add up to the total because of rounding.
  2. "Outstanding Government Bonds and Borrowings" includes government bonds and borrowings held by government.
  3. Figures are totals of the general account and all special accounts, and coverage is different from the central government as defined in the SNA.
  4. Data as of the end of September 2023 will be released on November 10, 2023.

### Reference Long-term Debt Outstanding of Central and Local Governments

The MOF has announced the "Long-term debt outstanding of central and local governments" whose interest payments and redemption funds are mainly to be covered by tax revenues, from the viewpoint of transparent fiscal management. The statistics are derived by adding the long-term debt outstanding of local governments to the above-mentioned Central Government Debt, while excluding Fiscal Investment and Loan Program Bonds and Financing Bills.

	The end of June 2023 (Actual)	The end of FY2023 (Estimate)
(trillion yen)		
① General Bonds	1,026.6	1,068
② Fiscal Investment and Loan Program Bonds (FILP Bonds)	Not included	Not included
③ Borrowings, Subsidy Bonds, etc. (Note 1)	26.6	29 (Note1)
④ Financing Bills (FBs)	Not included	Not included
<b>Long-term debt outstanding of central government</b>	<b>1,053.2</b>	<b>1,097</b>
⑤ Long-term debt outstanding of local governments	(Note 2)	183
Long-term debt outstanding of central and local governments	(Note 2)	1,280

Note 1: The borrowings of the Special Account for Allotment of Local Allocation Tax and Local Transfer Tax (as of the end of FY2023: approx.28 trillion yen) are included in "⑤ Long-term debt outstanding of local governments" because the burden of redemption funds falls on local governments.

Note 2: The actual figure of "⑤ Long-term debt outstanding of local governments" is blank, because quarterly data has not been created.

Details: <https://www.mof.go.jp/english/policy/jgbs/reference/gbb/e202306.html>

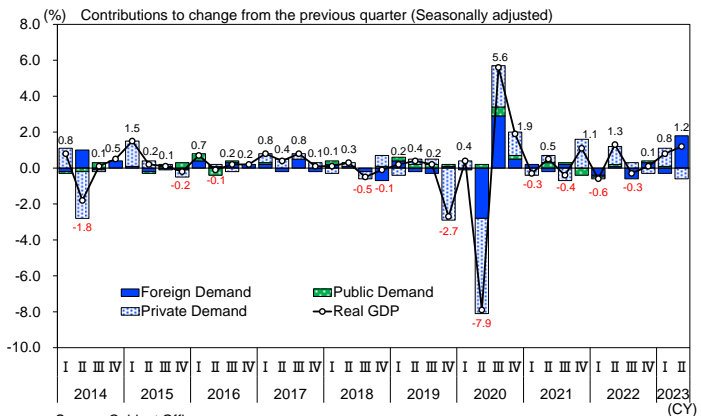
# Monthly Topic: Quarterly Estimates of GDP Apr.-Jun. 2023

The Cabinet Office released the second preliminary GDP estimate (Apr.-Jun. 2023) on September 8.

- Seasonally adjusted quarterly real GDP increased by 1.2% (annual rate 4.8%) from the previous quarter.
- Domestic Demand and Net Exports of Goods & Services contributed -0.6% points and 1.8% points, respectively.
- As for Domestic Demand, Private Consumption and Private Non-Residential Investment decreased by 0.6% and 1.0% respectively, while Private Residential Investment increased by 2.0%. Government Consumption and Public Investment increased by 0.0% and 0.2% respectively.

The development of real GDP is shown below.

## Development of Real GDP (Quarterly, seasonally adjusted series)



	2022			2023		2023
	4~6	7~9	10~12	1~3	4~6	
Gross Domestic Product	1.3	-0.3	0.1	0.8	1.2	4.8
Domestic Demand	1.1	0.3	-0.3	1.0	-0.6	-2.2
Private Demand	(1.2)	(0.3)	(-0.3)	(1.1)	***	***
Private Consumption	1.4	0.4	-0.5	1.3	-0.8	-3.1
Consumption of Households	1.8	-0.0	0.3	0.6	-0.6	-2.5
Excluding Imputed Rent	2.2	-0.0	0.3	0.7	-0.8	-3.2
Private Residential Investment	-1.8	-0.1	1.0	0.7	2.0	8.1
Private Non-Resi. Investment	2.0	1.5	-0.7	1.6	-1.0	-4.0
Change in Private Inventories	(-0.2)	(0.1)	(-0.4)	(0.3)	***	***
Public Demand	0.5	-0.0	0.3	0.3	0.1	0.3
Government Consumption	0.5	-0.1	0.2	0.1	0.0	0.1
Public Investment	0.6	1.0	0.1	1.4	0.2	1.0
Change in Public Inventories	(-0.0)	(-0.0)	(0.1)	(-0.0)	***	***
Net Exports of Goods & Services ※3	(0.1)	(-0.6)	(0.3)	(-0.3)	***	***

Note: The figures in ( ) indicate contributions to changes in GDP  
 ※1 Changes from the previous quarter (seasonally adjusted)  
 ※2 Annualized  
 ※3 Net Exports of Goods & Services = Exports of Goods & Services - Imports of Goods & Services  
 The contribution is calculated as the contribution of Exports less that of Imports.

Source: Cabinet Office

For more information, please see:  
[https://www.esri.cao.go.jp/en/sna/data/sokuhou/files/2023/toukei\\_2023.html](https://www.esri.cao.go.jp/en/sna/data/sokuhou/files/2023/toukei_2023.html)

## Q&A: The Japanese government's budget process and the JGB Issuance Plan



We sometimes receive questions from foreign investors about the Japanese government's budget processes. They also ask about when the JGB Issuance Plan for the next fiscal year is made public. Therefore, please allow me to explain about "The Japanese government's budget process and the JGB Issuance Plan."

<KOKUSAI SENSEI>

(JGB Teacher who knows everything about JGB)

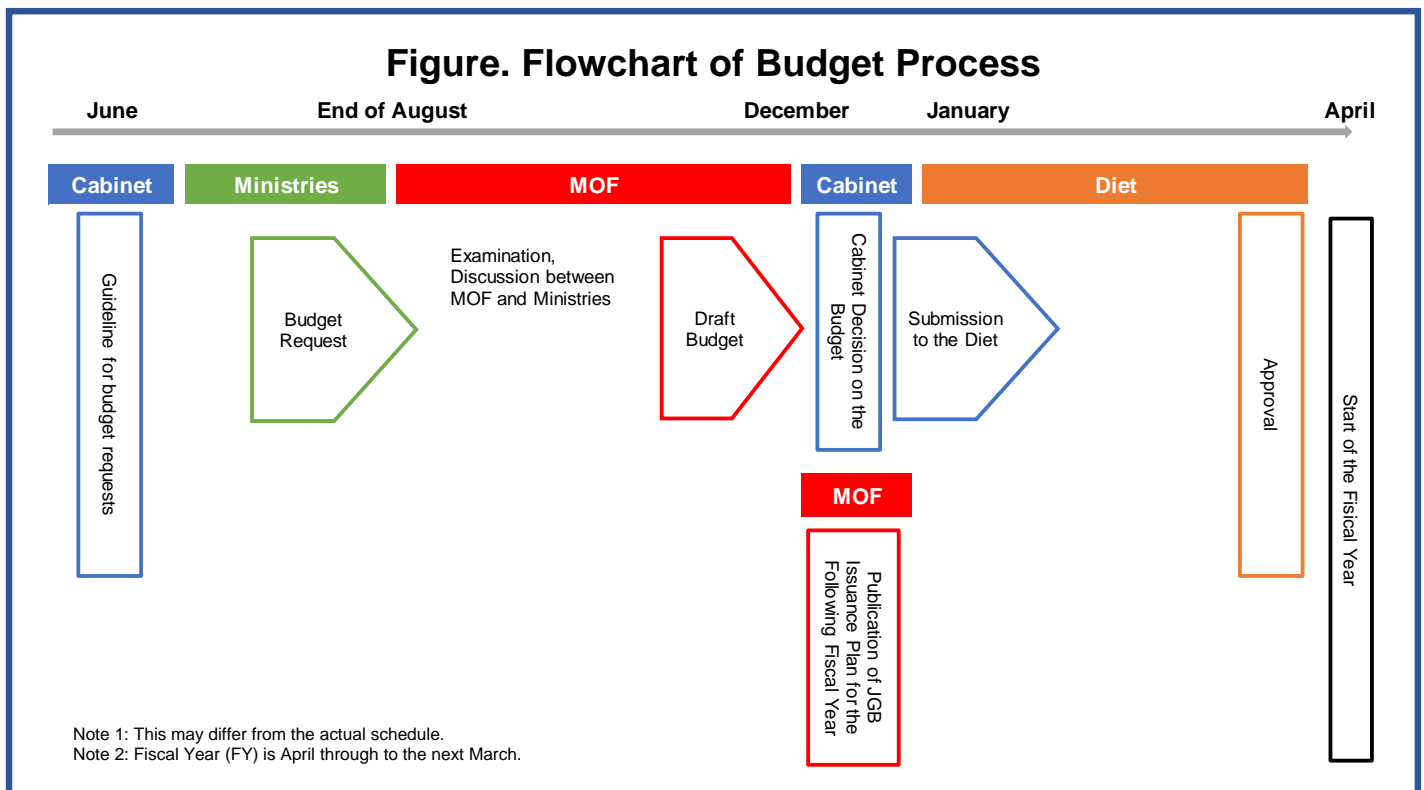
In Japan, the government's fiscal year runs from April 1 of one year until March 31 of the next. The Cabinet prepares the draft budget and presents it to the Diet according to the Japanese constitution.

In general, ministries submit budget requests to the MOF by the end of August, at which point the MOF begins work on their requests and creates the draft budget. The Cabinet decides on the draft budget in December and submits this to the Diet in January. After this, the Diet passes the budget, which usually goes into effect on April 1 (see the budget process below).

The MOF publicly announces the JGB Issuance Plan for the next fiscal year in line with the Cabinet decision on the draft budget in December.

As for last year, the Japanese government publicly announced the JGB Issuance Plan for FY2023 in line with the Cabinet decision on the FY2023 draft budget on December 23, 2022. When developing the JGB Issuance Plan for FY2023, in which JGB issues including Refunding Bonds will total 205.8 trillion yen, the government held mindful dialogues with market participants through the Meeting of JGB Market Special Participants and other dialogue sessions and formulated the JGB Issuance Plan by financing methods considering investor needs and market trends.

**Figure. Flowchart of Budget Process**



If you would like more information on our debt management policy, please see the following link:  
[https://www.mof.go.jp/english/policy/jgbs/publication/debt\\_management\\_report/2023/index.html](https://www.mof.go.jp/english/policy/jgbs/publication/debt_management_report/2023/index.html)



## IR Office

## 1. The 18th Annual Japan Investment Forum in Tokyo

On September 6, Mr. Takahiro Tsuji, Deputy Director-General, Financial Bureau, gave a presentation on “Japan’s Economy and Public Debt Management” at the 18th Annual Japan Investment Forum in Tokyo, organized by Institutional Investor. Approximately 120 participants, including the most influential pension funds, insurance companies, trust banks and investment advisors in Japan attended this forum. The summary of his presentation was as follows:



### 1. Economic Outlook and Policy

- In FY2023, a surge in private consumption and business fixed investment is expected, but full attention needs to be paid to the slowing global economy due to global monetary tightening and weakening Chinese economy.
- The Consumer Price Index excluding fresh food in Japan has been rising mainly due to price hikes in energy and raw materials, which has exceeded the Bank of Japan’s price stability target of 2% for more than a year. The nominal wage level has been growing while real income level has weakened somewhat due to price spikes.
- The government will realize a virtuous cycle of growth and distribution through investment in growth fields such as Green Transformation (GX), Digital Transformation (DX), science and technology, startups and others.

### 2. Fiscal Condition and Policy

- Fighting the global COVID-19 pandemic has pushed up Japan’s general government gross debt-to-GDP ratio, which is at the highest level among developed countries. On the other hand, Japan’s unique strengths such as its persistent current account surpluses and large net external assets position support this fiscal situation.
- The government aims to achieve its fiscal consolidation target of a primary balance surplus of the national and local government by FY2025, while steadily reducing the public debt GDP ratio at the same time.

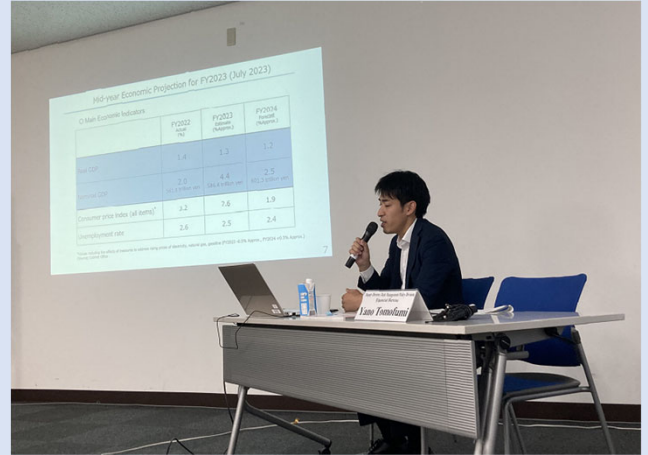
### 3. Debt Management

- The FY2023 JGB Issuance Plan has amounted to 205.8 trillion yen, and we have reduced the issuance amount of short-term bonds compared to the previous year in order to extend the average maturity of JGBs and reduce interest rate risk.
- We aim to boost the ratio of medium- to long-term JGBs held by overseas investors through IR activities.

## IR Office

**2. Seminar for Central Asian and Caucasian Countries at the MOF**

On August 25, the MOF held a seminar on Japan's economy and public finance. Mr. Tomo Yano, Senior Deputy Director for Debt Management and JGB IR, presented on the development of the JGB market and debt management policy. Participants were MOF officials from Central Asian and Caucasian countries, namely, Azerbaijan, Uzbekistan, Kyrgyz, Georgia, Tajikistan, and Turkmenistan along with students from the Banking and Finance Academy established by the Uzbekistan government.



We have hosted this seminar since 1997 as one of our international cooperation activities. Although we were not able to hold it in-person during the past four years of the COVID-19 pandemic, this year, finally we could realize it thanks to the relaxation of travel restrictions relating to COVID-19. In the Q&A session, we received a variety of questions which included meaningful implications for us as well.

We hope that this seminar helped the participants to understand Japan's debt management policy better and more accurately.



## JGB Primary Market: Auction Results

### Bonds

(Until 31 August 2023)

Auction Date	Type of Security	Issue Number	Maturity Date	Nominal Coupon	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Yield at the Lowest Accepted Price	Yield at the Average Price	Amounts of Non-Competitive Bids Tendered / Accepted (billion yen)	Amounts of Bids Accepted at the Non-price-competitive Auction I (billion yen)	Amounts of Bids Accepted at the Non-price-competitive Auction II (billion yen)
6/1/2023	10-year	370	3/20/2033	0.5%	8,089.1	2,193.0	0.440%	0.436%	0.892	505.2	238.8
6/6/2023	30-year	78	3/20/2053	1.4%	2,240.3	728.4	1.263%	1.257%	-	170.9	77.4
6/22/2023	5-year	158	3/20/2028	0.1%	7,819.1	2,030.9	0.070%	0.068%	1.000	467.1	235.6
6/27/2023	20-year	184	3/20/2043	1.1%	2,983.7	986.3	0.961%	0.948%	-	213.2	0.0
6/29/2023	2-year	450	7/1/2025	0.005%	10,052.9	2,358.0	-0.060%	-0.062%	0.000	541.2	162.1
7/4/2023	10-year	371	6/20/2033	0.4%	8,786.5	2,183.4	0.430%	0.428%	0.813	515.2	266.8
7/6/2023	30-year	79	6/20/2053	1.2%	2,222.5	734.3	1.238%	1.222%	-	165.5	0.0
7/11/2023	5-year	159	6/20/2028	0.1%	9,506.9	2,031.2	0.132%	0.132%	1.000	467.1	221.7
7/13/2023	20-year	185	6/20/2043	1.1%	3,284.9	971.2	1.072%	1.070%	-	228.2	2.0
7/25/2023	40-year	16	3/20/2063	1.3%	1,778.6	699.9	1.465%	-	-	-	60.5
7/27/2023	2-year	451	8/1/2025	0.005%	9,312.9	2,357.9	-0.042%	-0.045%	0.000	541.2	0.0
8/1/2023	10-year	371	6/20/2033	0.4%	7,930.1	2,180.9	0.603%	0.594%	1.414	517.3	189.2
8/3/2023	10-year Inflation-Indexed Bonds	28	3/10/2033	0.005%	726.3	249.9	-0.510%	-	-	-	-
8/8/2023	30-year	79	6/20/2053	1.2%	2,548.0	727.1	1.595%	1.593%	-	172.1	73.1
8/15/2023	5-year	160	6/20/2028	0.2%	6,755.7	2,019.0	0.195%	0.189%	1.000	479.3	0.0
8/17/2023	20-year	185	6/20/2043	1.1%	2,774.4	992.5	1.385%	1.322%	-	207.4	0.0
8/29/2023	2-year	452	9/1/2025	0.005%	7,513.8	2,343.7	0.020%	0.011%	0.000	555.6	0.0

### Treasury Discount Bills

(Until 31 August 2023)

Auction Date	Type of Security	Issue Number	Maturity Date	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Yield at the Lowest Accepted Price	Yield at the Average Price	Amounts of Bids Accepted at the Non-price-competitive Auction I (billion yen)
6/2/2023	3-month	1160	9/4/2023	14,625.20	5,106.23	-0.1603%	-0.1703%	1,193.70
6/8/2023	6-month	1161	12/11/2023	10,322.00	3,276.65	-0.1563%	-0.1683%	723.30
6/9/2023	3-month	1162	9/11/2023	13,539.30	5,106.25	-0.1663%	-0.1792%	1,193.70
6/15/2023	3-month	1163	9/19/2023	12,018.60	5,106.27	-0.1308%	-0.1526%	1,193.70
6/19/2023	1-year	1164	6/20/2024	10,520.80	3,003.07	-0.1284%	-0.1294%	496.90
6/23/2023	3-month	1165	9/25/2023	12,656.21	5,106.27	-0.1142%	-0.1315%	1,193.70
6/30/2023	3-month	1166	10/2/2023	14,878.30	5,130.24	-0.1162%	-0.1283%	1,169.70
7/6/2023	6-month	1167	1/10/2024	13,747.35	3,242.59	-0.1744%	-0.1843%	757.40
7/7/2023	3-month	1168	10/10/2023	15,642.40	4,701.32	-0.1209%	-0.1356%	1,098.60
7/14/2023	3-month	1169	10/16/2023	13,030.20	4,701.35	-0.1297%	-0.1366%	1,098.60
7/19/2023	1-year	1170	7/22/2024	7,613.00	2,869.74	-0.1109%	-0.1218%	630.20
7/21/2023	3-month	1171	10/23/2023	10,932.50	4,701.38	-0.1042%	-0.1210%	1,098.60
7/27/2023	3-month	1172	10/30/2023	12,825.88	4,723.37	-0.0962%	-0.1018%	1,076.60
8/4/2023	3-month	1173	11/6/2023	13,823.50	4,687.61	-0.0962%	-0.1014%	1,112.30
8/9/2023	6-month	1174	2/13/2024	11,726.90	3,296.88	-0.1423%	-0.1618%	703.10
8/10/2023	3-month	1175	11/13/2023	14,584.60	4,687.64	-0.1042%	-0.1110%	1,112.30
8/17/2023	1-year	1176	8/20/2024	8,368.70	2,918.49	-0.0559%	-0.0679%	581.50
8/18/2023	3-month	1177	11/20/2023	15,864.10	4,688.63	-0.1082%	-0.1154%	1,111.30
8/25/2023	3-month	1178	11/27/2023	18,811.00	4,660.18	-0.1483%	-0.1483%	1,139.80



## JGB Primary Market: Auction Calendar

### September 2023

Auction Date	Issue
9/1	T-Bills (3-month)
9/5	10-year
9/7	T-Bills (6-month)
9/7	30-year
9/8	T-Bills (3-month)
9/12	5-year
9/14	20-year
9/15	T-Bills (3-month)
9/19	T-Bills (1-year)
9/19	Liquidity Enhancement Auction (remaining maturities of 1-5 years)
9/21	T-Bills (3-month)
9/21	Liquidity Enhancement Auction (remaining maturities of 5-15.5 years)
9/26	40-year
9/28	2-year
9/29	T-Bills (3-month)

### October 2023

Auction Date	Issue
10/3	10-year
10/5	T-Bills (6-month)
10/5	30-year
10/6	T-Bills (3-month)
10/11	5-year
10/13	T-Bills (3-month)
10/17	20-year
10/19	T-Bills (1-year)
10/19	Liquidity Enhancement Auction (remaining maturities of 5-15.5 years)
10/20	T-Bills (3-month)
10/25	Liquidity Enhancement Auction (remaining maturities of 15.5-39 years)
10/27	T-Bills (3-month)
10/30	2-year

### November 2023

Auction Date	Issue
11/2	T-Bills (3-month)
11/2	10-year
11/7	10-year Inflation-Indexed Bonds
11/9	T-Bills (6-month)
11/9	30-year
11/10	T-Bills (3-month)
11/14	5-year
11/16	T-Bills (1-year)
11/16	Liquidity Enhancement Auction (remaining maturities of 1-5 years)
11/17	T-Bills (3-month)
11/21	20-year
11/24	T-Bills (3-month)
11/24	Liquidity Enhancement Auction (remaining maturities of 5-15.5 years)
11/28	40-year
11/30	2-year

Note 1: The above calendar may be changed or added in light of changes in circumstances. In such cases, it will be announced in advance.

Note 2: Each issue amount will be announced about one week prior to each auction date.

#### Top10 PDs for Successful Bids in Auctions (Weighted by Duration) Jan. 2023 - Jun. 2023

1 Mitsubishi UFJ Morgan Stanley Securities Co., Ltd.
2 Daiwa Securities Co. Ltd.
3 Nomura Securities Co., Ltd.
4 JPMorgan Securities Japan Co., Ltd.
5 Citigroup Global Markets Japan Inc.
6 Mizuho Securities Co., Ltd.
7 Deutsche Securities Inc.
8 SMBC Nikko Securities Inc.
9 Goldman Sachs Japan Co., Ltd.
10 Morgan Stanley MUFG Securities Co., Ltd.

#### Top5 PDs for Successful Bids of JGBi FY2022

1 Mizuho Bank, Ltd.
2 Mitsubishi UFJ Morgan Stanley Securities Co., Ltd.
3 JPMorgan Securities Japan Co., Ltd.
4 Goldman Sachs Japan Co., Ltd.
5 Deutsche Securities Inc.

# Liquidity Enhancement Auctions and JGB Buy-Back

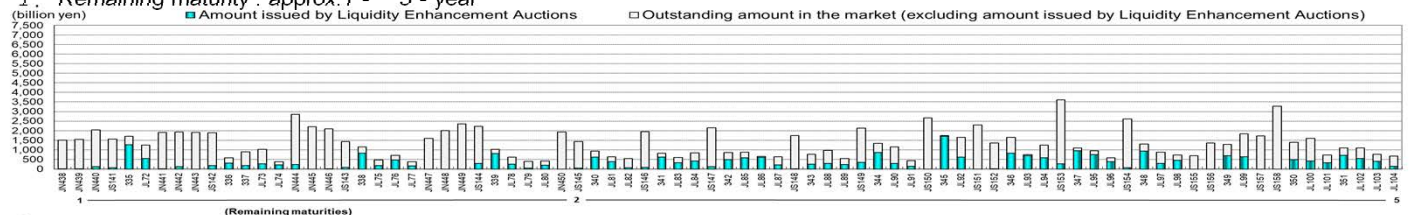
## Results of Liquidity Enhancement Auctions

(Until 31 August 2023)

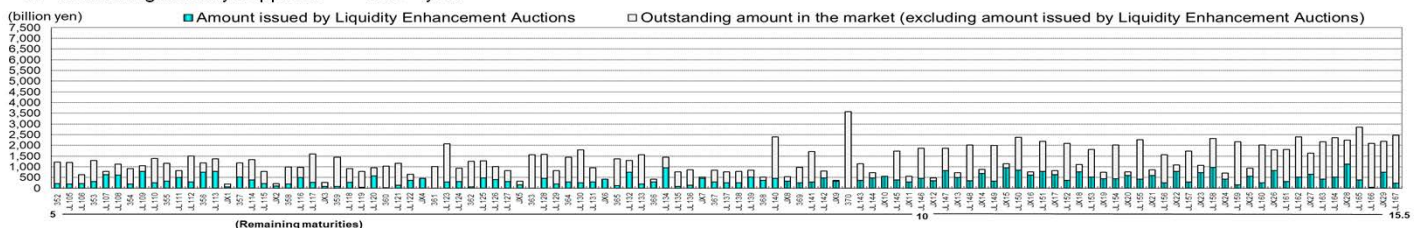
Auction Date	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Average Accepted Spread	Highest Accepted Spread	Issues Re-opened
6/8/2023	1,547.4	499.2	+0.002%	+0.003%	10-year (351,352,353,367,368) 20-year (102,103,104,105,106,107,108,110,116) 30-year (1)
6/13/2023	1,426.5	496.6	-0.019%	-0.017%	20-year (167,168,170,175,179,180,181,182) 30-year (30,31,32,33,36,37,38,41,43,46,47,48,49,50,51,52,53,54,55,56,57,58,65,72,73,76,77) 40-year (1,3,4,5,6,8,9,11,12,13,14,15)
7/19/2023	2,172.9	498.9	-0.014%	-0.013%	2-year (440) 5-year (144,146,153,154) 10-year(350,351) 20-year (93,99,100,101,102,103,104)
7/21/2023	2,117.5	499.8	+0.005%	+0.011%	10-year (356,366,367,368) 20-year (109,116,117,120,121,126,127,133,134,135,136,137,139,143,148,156,158,160,162,163,165,166,167) 30-year (4,7,12,22,27,28,29)
8/22/2023	1,798.2	498.9	+0.005%	+0.006%	10-year (352,353,354,355,368,369) 20-year (105,107,108,112,114,115,116,117,142,146,148) 30-year (3,4,7,9,10,11,13)
8/24/2023	1,452.0	499.7	-0.038%	-0.031%	20-year (169,178,179,181,182,184) 30-year (35,36,37,38,39,47,48,51,52,53,58,59,60,65,68,71,74) 40-year (2,6,8,9,12,13,14)

## Target Zones of Liquidity Enhancement Auctions for Jul-Sep. 2023

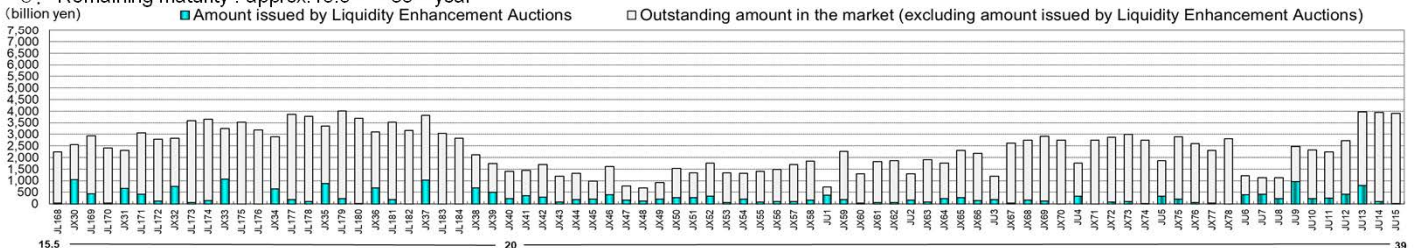
### 1. Remaining maturity : approx 1 - ~5 - year



### 2. Remaining maturity : approx 5 - ~15.5 - year



### 3. Remaining maturity : approx 15.5 - ~39 - year



Note1 : JN shows 2 - year JGBs. JS shows 5 - year JGBs. JL shows 20 - year JGBs. JX shows 30 - year JGBs. JU shows 40 - year JGBs. Outstanding amount is as of the end of July 2023.  
Note2 : All issues in the graph above will be eligible afterward.

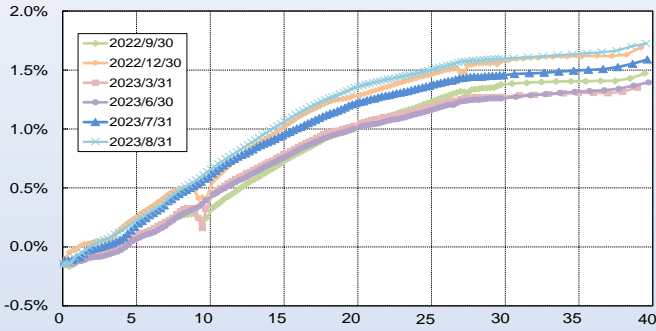
## Buy-Back Results (10-year Inflation-Indexed)

(Until 31 August 2023)

Auction Date	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Average Accepted Spread (yen)	Highest Accepted Spread (yen)	Issue Numbers
5/12/2023	80.8	20.0	-0.430	-0.37	24,25,26
6/21/2023	49.9	20.1	-0.037	+0.14	17,19,20,21,22,25,26,28
7/12/2023	90.1	20.1	-0.075	0.00	17,23,24,25
8/10/2023	97.0	20.0	-0.319	-0.22	26,27,28

# JGB Secondary Market

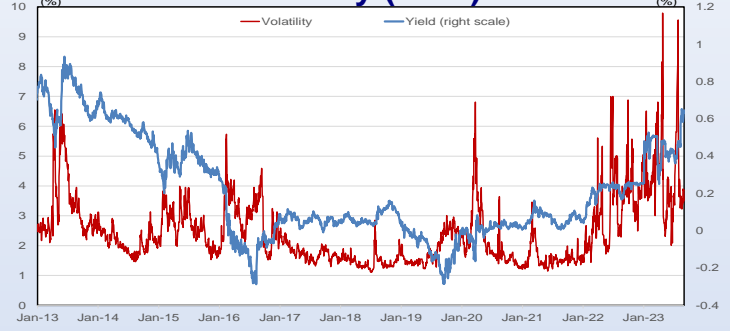
## JGB Yield Curves



Source: Japan Bond Trading Co.,Ltd.

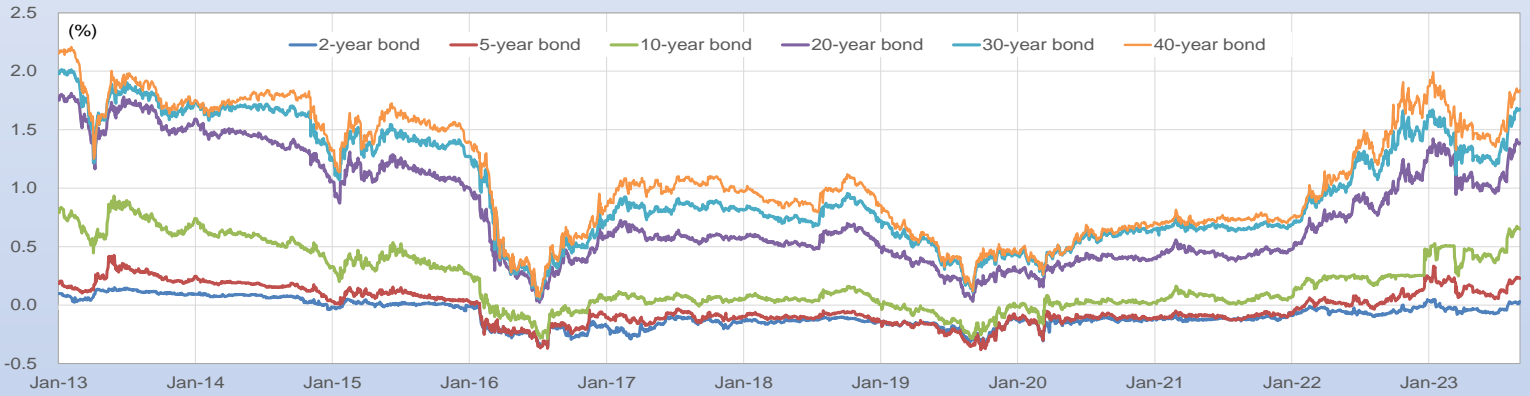
## Yield and Volatility (10Yr)

(Until 31 August 2023)



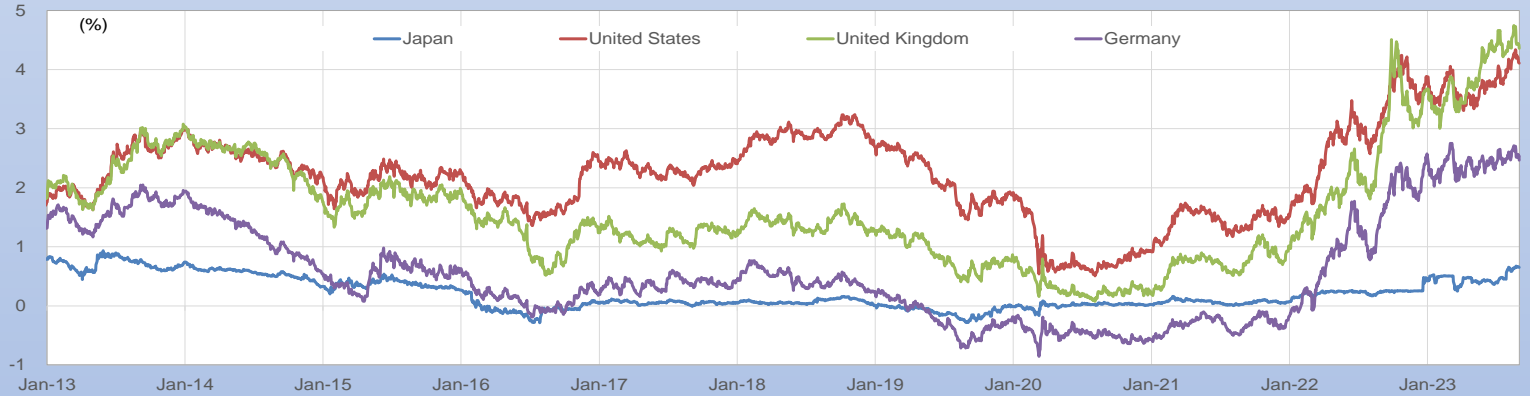
Source: Bloomberg

## Yields of JGB



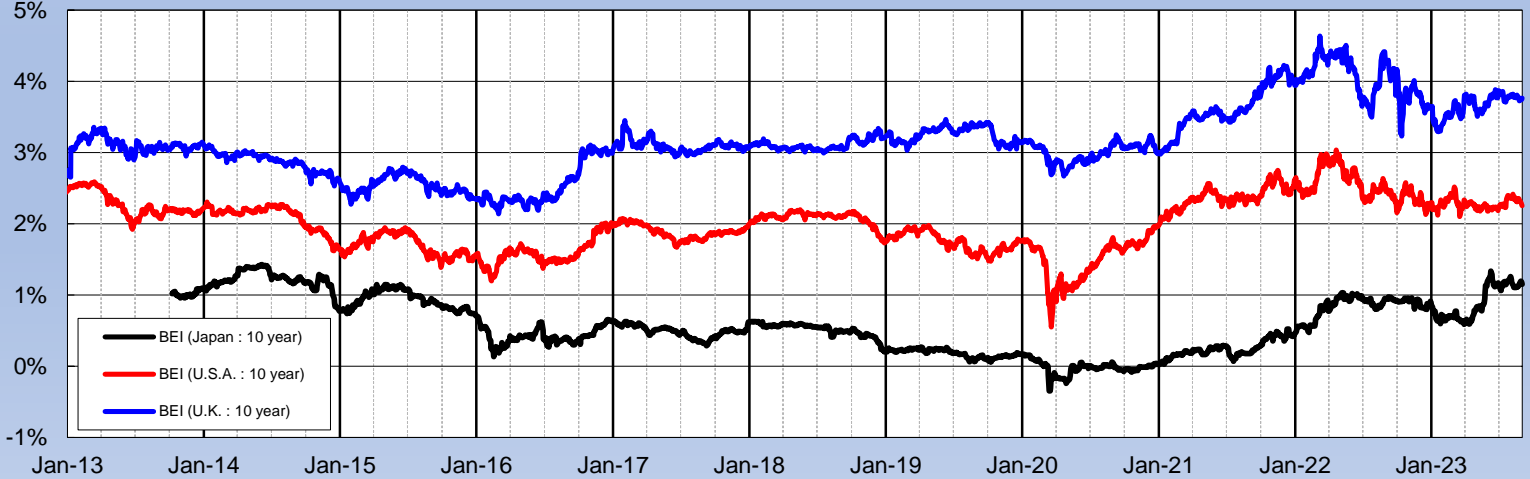
Source: Bloomberg

## Long - Term Interest Rates (10Yr)



Source: Bloomberg

## Break-Even Inflation Rates

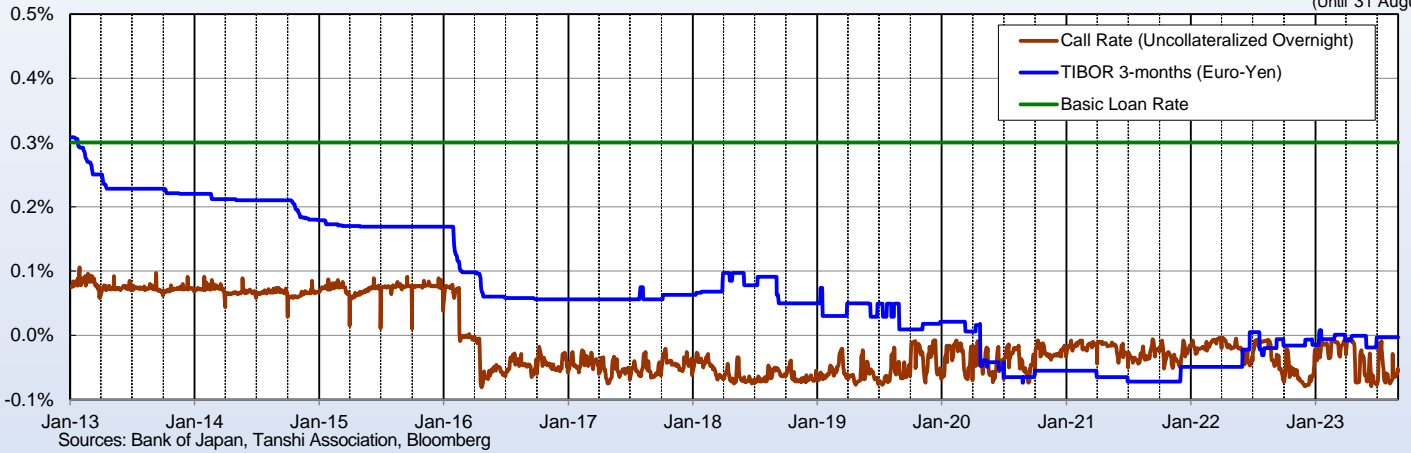


Note: BEI (Japan : 10 year) is calculated based on the compound interest rate of the new Inflation-Indexed Bonds and the 10-Year Bonds

Source: Bloomberg

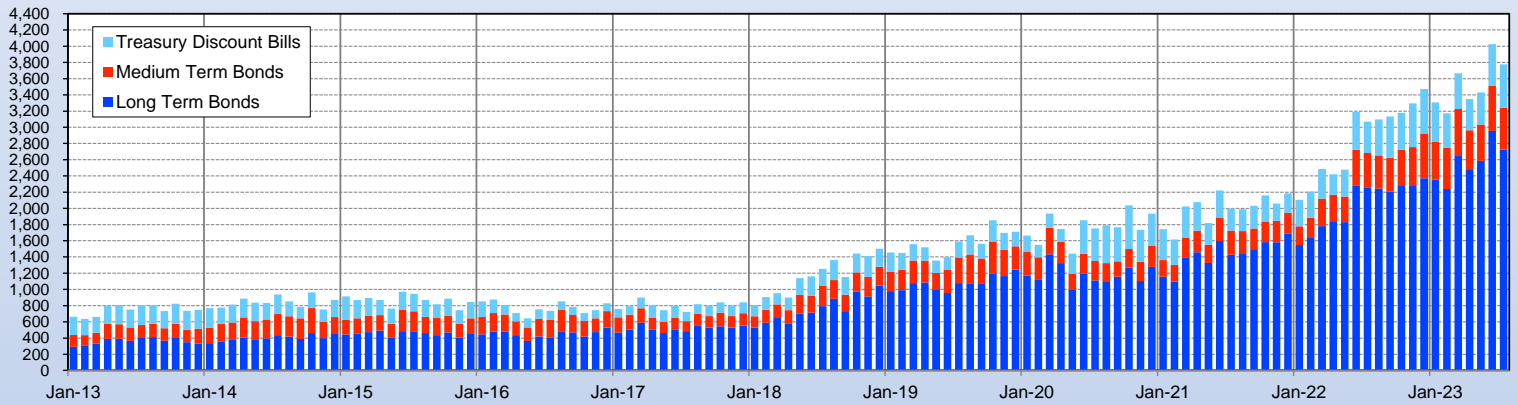
### Short-Term Interest Rates

(Until 31 August 2023)



### JGB Over-the-Counter Trading Volume (TOKYO)

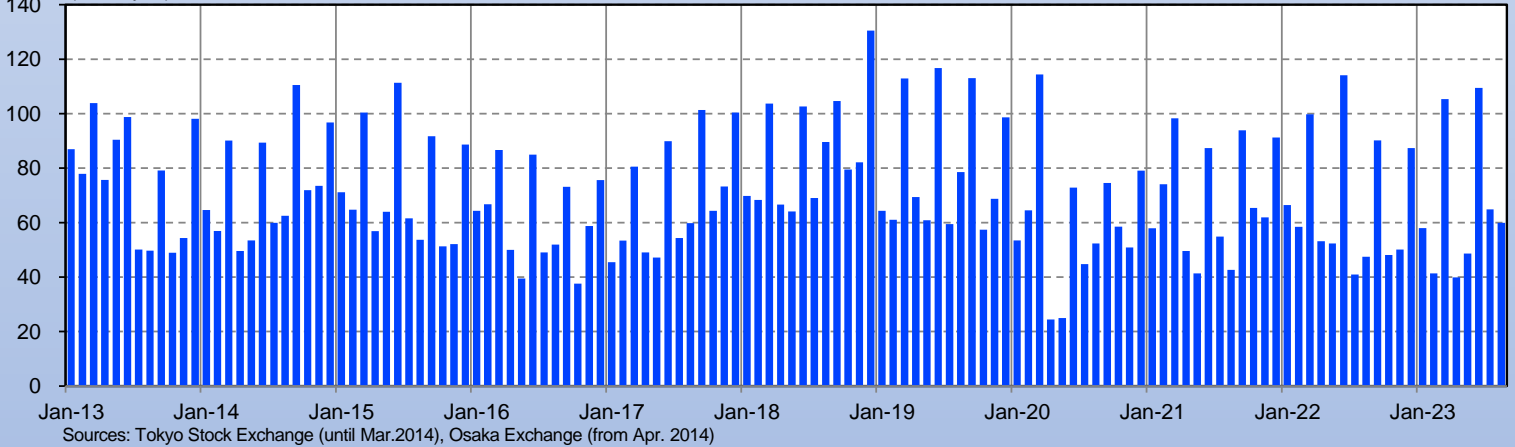
(trillion yen)



Note: Trading volume is the sum of sales and purchases including the trading volume of bonds with repurchase agreements.  
Source: Japan Securities Dealers Association

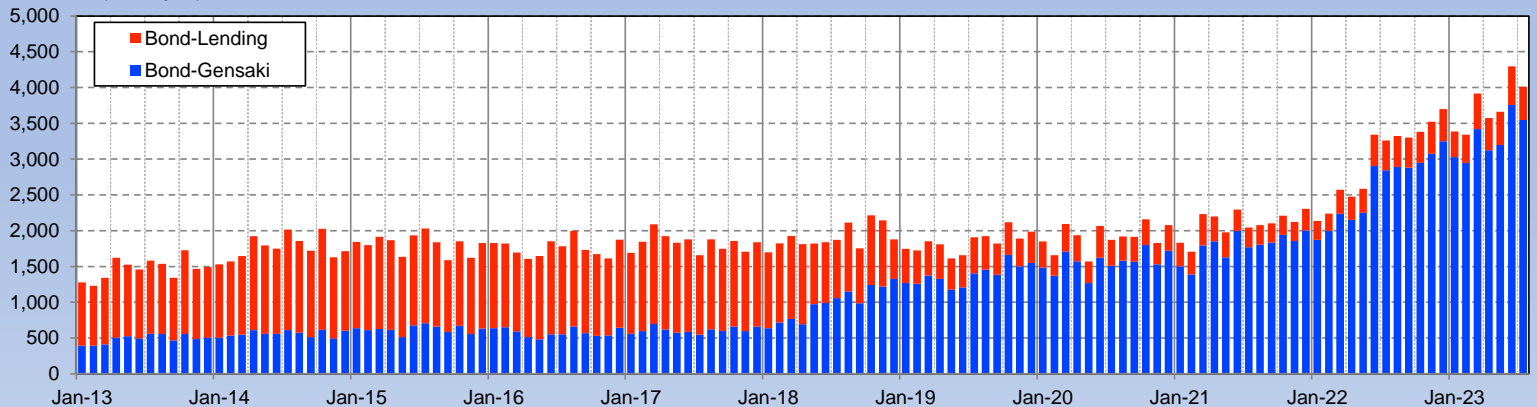
### Trading Volume of 10-Year JGB Futures

(trillion yen)



### Repurchase Transactions

(trillion yen)

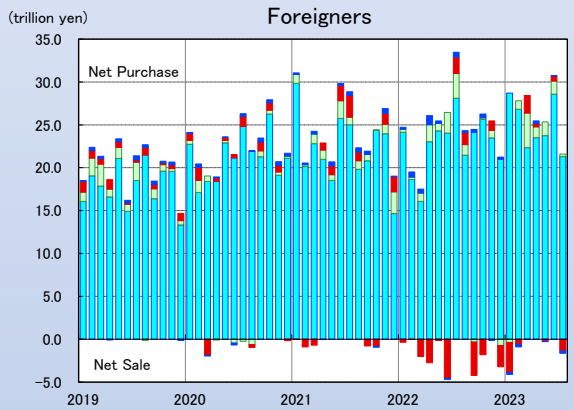
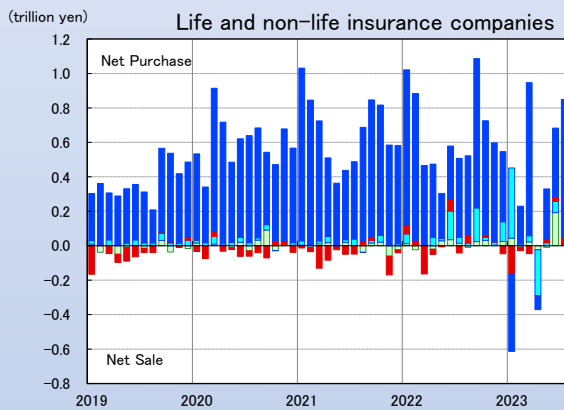
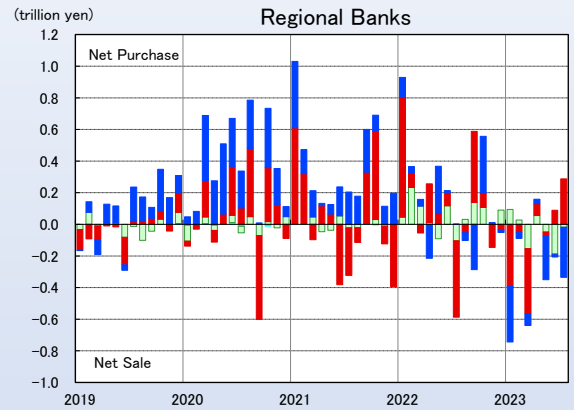
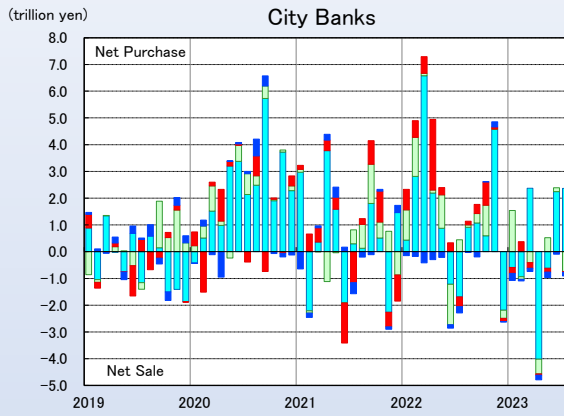


Source: Japan Securities Dealers Association

# Investor Trends and JGB Outstanding

## Trends in JGBs Transactions (by investor type)

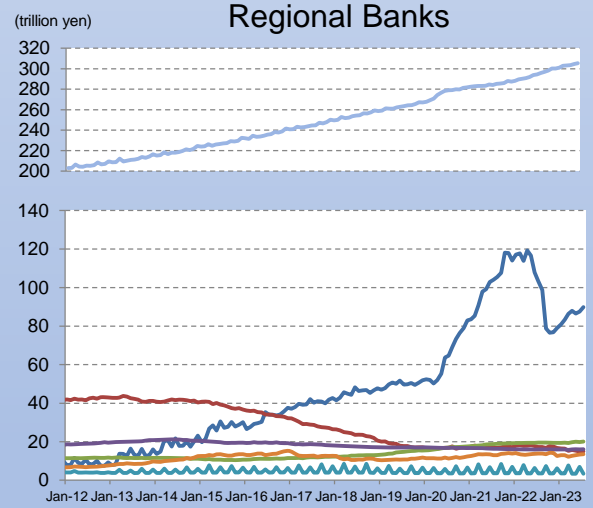
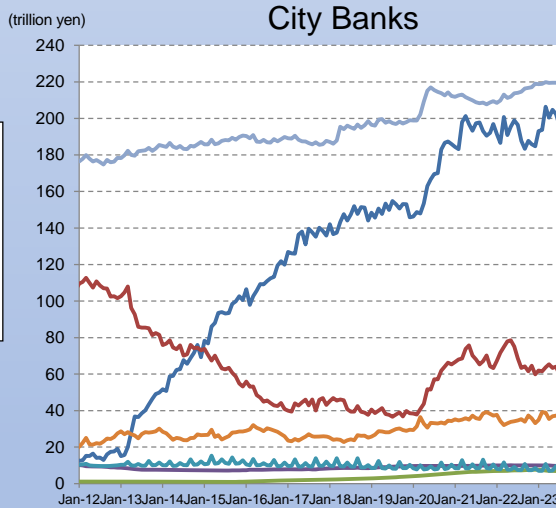
- Super long-term bonds
- Long-term bonds
- Medium-term bonds
- T-bills



Source: Japan Securities Dealers Association

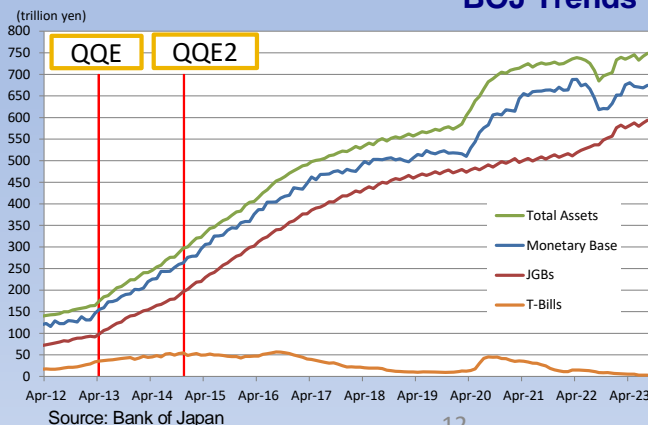
## Trends in Bank Assets by Types

- Loans
- Cash and Deposits
- Government Bonds
- Municipal Bonds
- Corporate Bonds
- Equities
- Foreign Securities



Source: Bank of Japan

## BOJ Trends

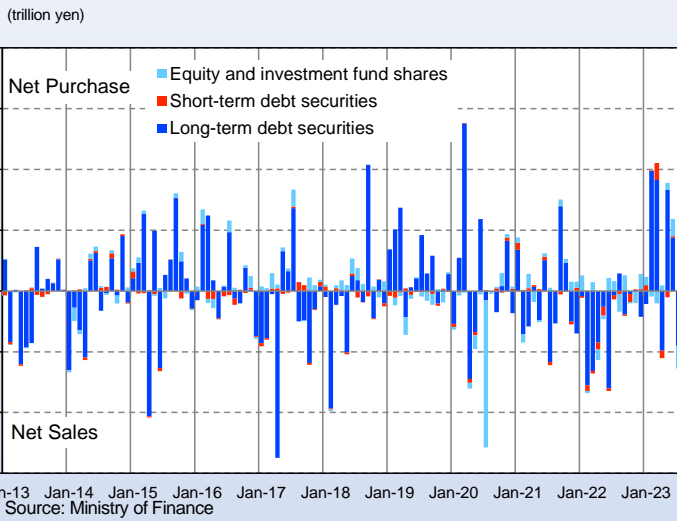


Source: Bank of Japan

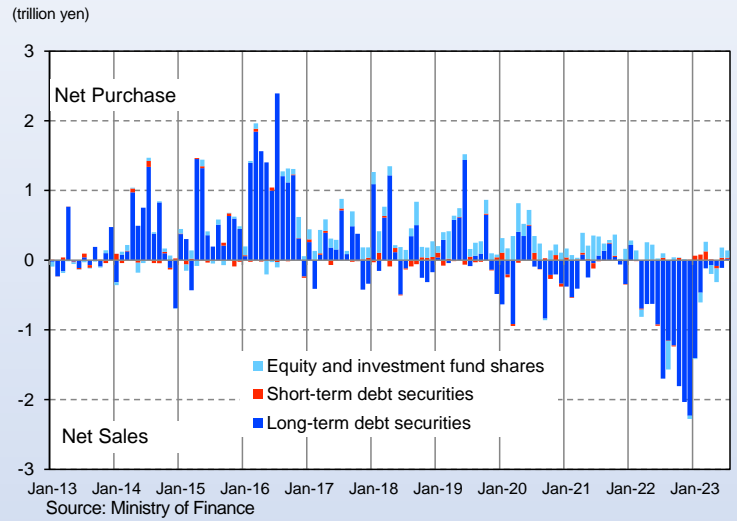
	Apr 2013 (Actual)	Aug 2023 (Actual)
Monetary Base	155	674
JGBs	98	594
T-Bills	36	2.8
CP	1.4	2.8
Corporate Bonds	2.9	7.0
ETFs	1.7	37.1
J-REITs	0.13	0.66
<b>Total Assets</b>	<b>175</b>	<b>749</b>

## Transactions of Foreign Securities by Residents (by Investor types)

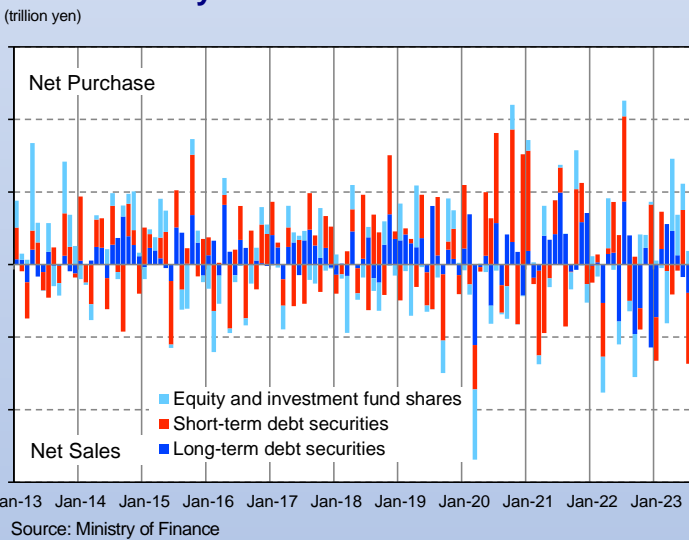
Banks(Banking Accounts)



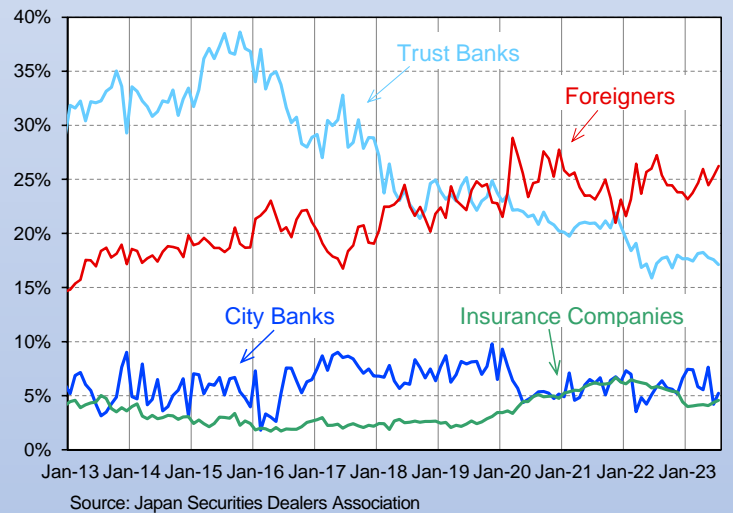
Life Insurance Companies



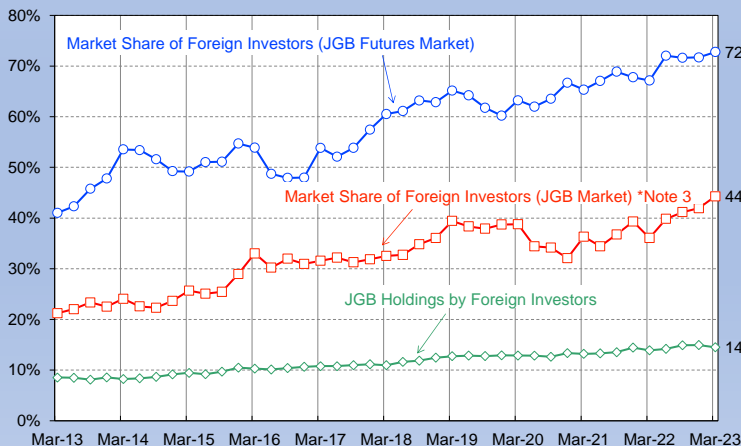
## Transactions of Domestic Securities by Non-Residents



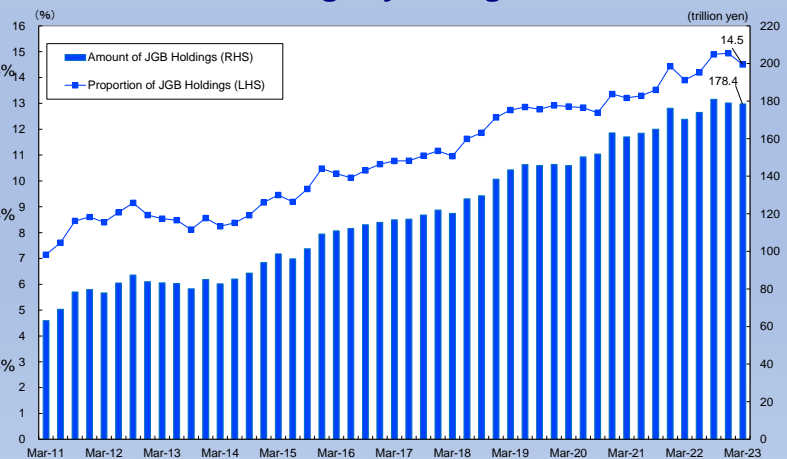
## Outstanding of Repurchase Agreements (by Investor types)



## Foreign Investors Presence



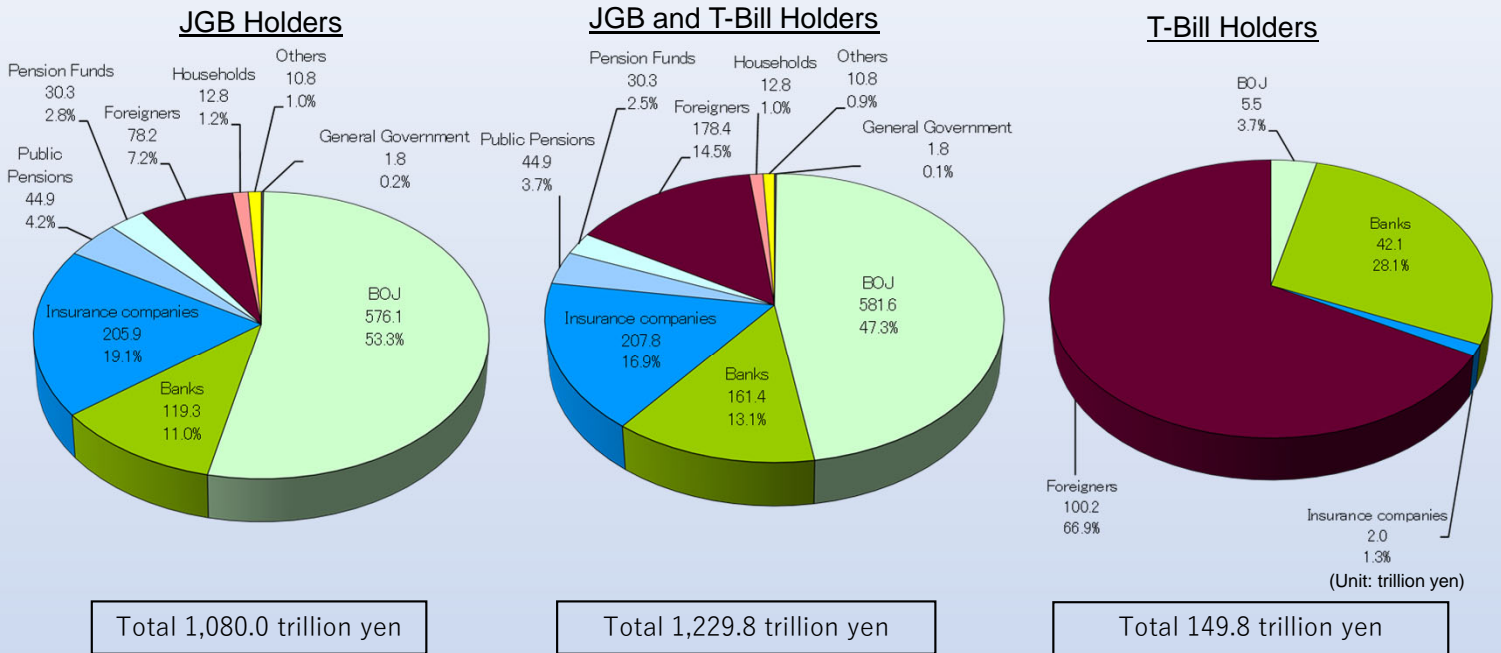
## JGBs Holdings by Foreign Investors



Note 1: Quarterly basis.  
 Note 2: "JGB" includes T-Bills.  
 Note 3: The figures excludes dealers' transactions.  
 Sources: Bank of Japan, Japan Securities Dealers Association, Japan Exchange Group, Inc.

Note 1: Quarterly basis.  
 Note 2: "JGB" includes "FILP Bonds" and "T-Bills".  
 Source: Bank of Japan

### Breakdown by JGB and T-Bill Holders (The end of Mar. 2023 QE)



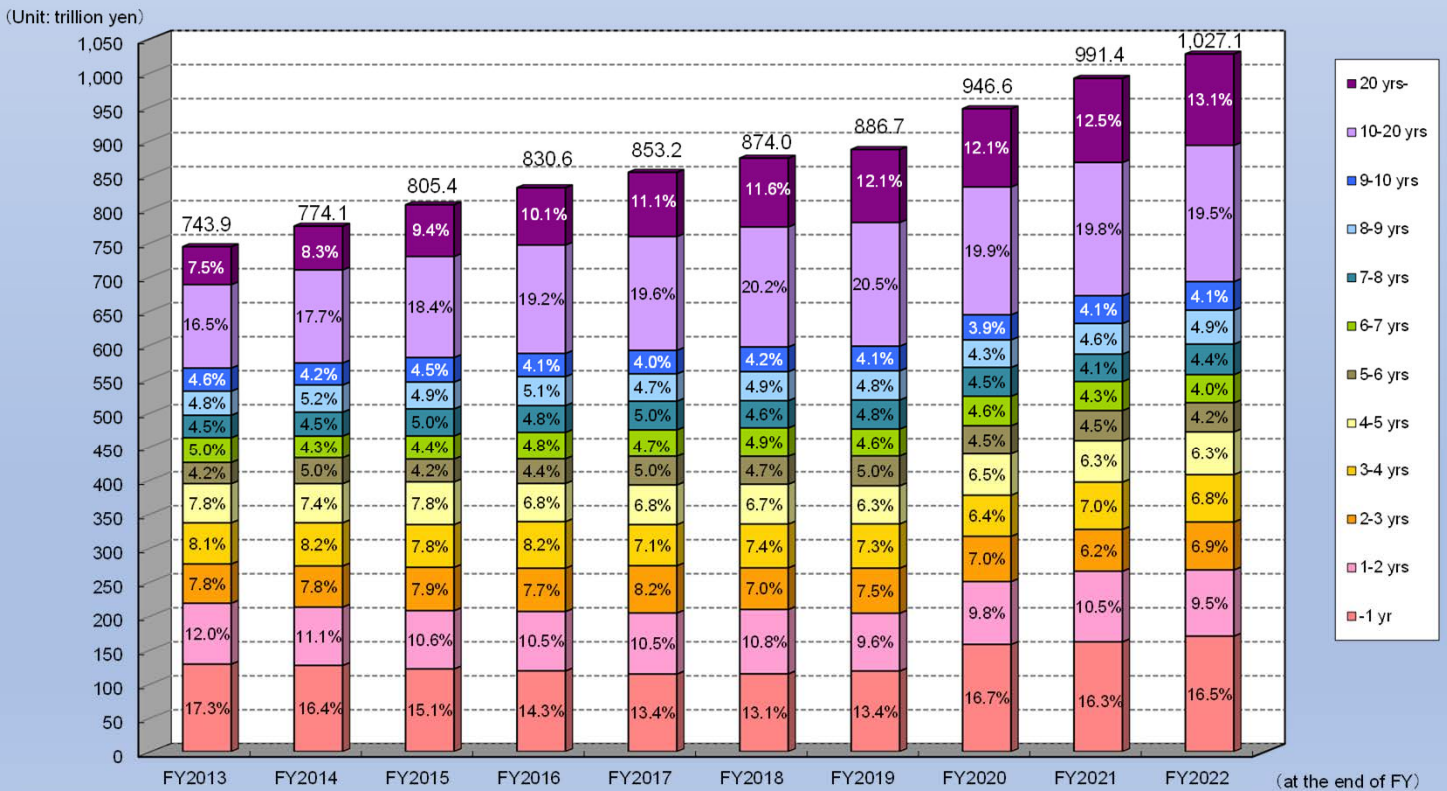
Total 1,080.0 trillion yen

Total 1,229.8 trillion yen

Total 149.8 trillion yen

Note 1: "JGB" includes "FILP Bonds."  
 Note 2: "Banks" include "Japan Post Bank," "Securities investment trusts," "Securities companies," etc.  
 Note 3: "Insurance companies" include "Life insurance," "Nonlife insurance," and "Mutual aid insurance."  
 Note 4: "General Government" excludes "Public Pensions."  
 Source: Bank of Japan "Flow of Funds Accounts (Preliminary Figures)"

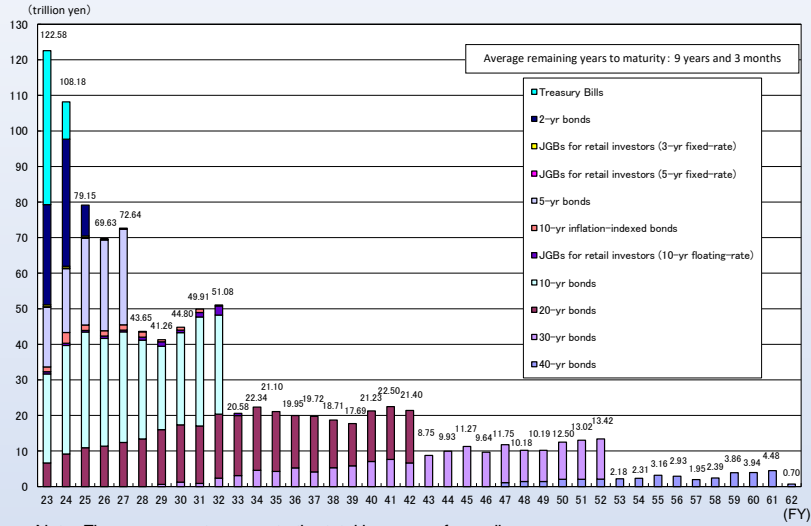
### Breakdown of Outstanding Amount of General Bonds by Remaining Years to Maturity



Average YTM*	7Y7M	8Y0M	8Y5M	8Y7M	8Y10M	9Y0M	9Y2M	8Y11M	9Y0M	9Y2M
Average YTM (excluding JGBs for Retail Investors)	7Y8M	8Y0M	8Y5M	8Y8M	8Y11M	9Y1M	9Y2M	8Y11M	9Y0M	9Y2M

\*years to maturity

### Time-to-Maturity Structure of Outstanding JGB (June, 2023)



Note: Figures may not sum up to the total because of rounding.

Source: Ministry of Finance

### Scheduled redemption of JGB at maturity in September, 2023

Types	The amount of redemption at maturity	Date of redemption
2-Year Bonds	3,196.2	9/1/2023
10-Year Inflation-Indexed Bonds	599.0	9/10/2023
Treasury Bills (6-Month)	2,900.0	9/11/2023
20-Year Bonds	2,264.5	9/20/2023
10-Year Bonds	9,154.1	9/20/2023
5-Year Bonds	6,656.4	9/20/2023
Treasury Bills (1-Year)	3,500.0	9/20/2023
<b>Total</b>	<b>28,270.2</b>	

Note 1: The figures are based on the outstanding JGBs at the end of July, 2023.

Note 2: The figures are the scheduled redemption at maturity and may be different from the actual redemption due to Buy-back of JGBs.

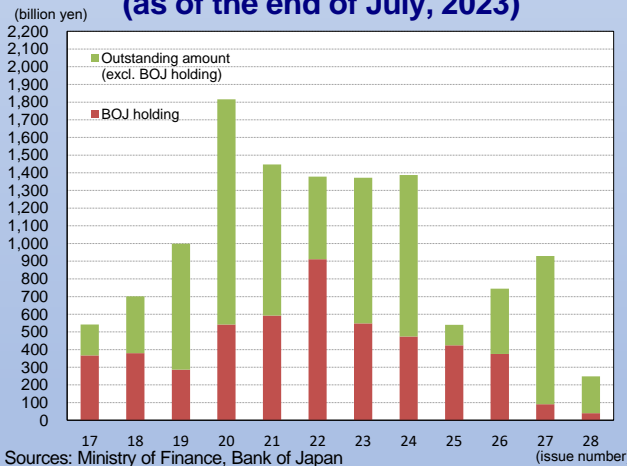
Note 3: About Inflation-Indexed Bonds, the amount of redemption at maturity is adopted the inflation-adjusted principal as of July 31, 2023.

Note 4: The figures do not include "JGB for Retail Investors."

Note 5: If date of redemption coincides with bank holiday, the payment of redemption is carried out on the following business day.

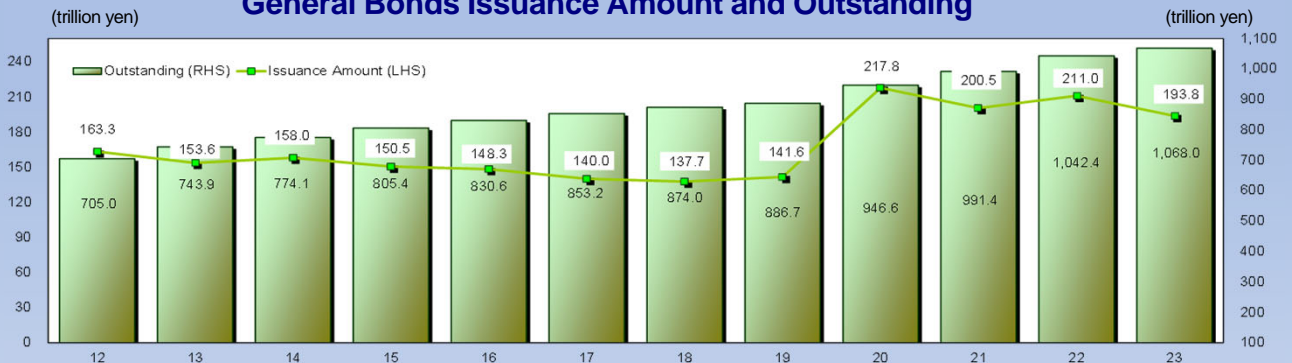
Note 6: Figures may not sum up to the total because of rounding.

### Market-held Balance of the Inflation-Indexed Bonds (as of the end of July, 2023)



Sources: Ministry of Finance, Bank of Japan

### General Bonds Issuance Amount and Outstanding



Note 1: Issuance Amount: revenue basis, FY2012-2021: Actual, FY2022: 2nd Supplementary budget, FY2023: Initial budget

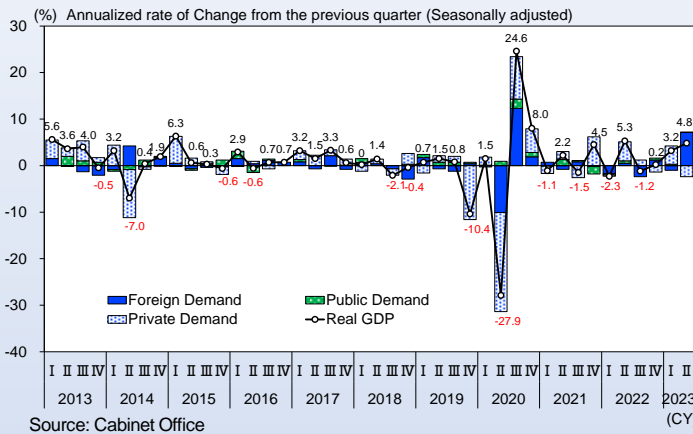
Note 2: Outstanding: nominal basis, FY2012-2021: Actual, FY2022: 2nd Supplementary budget, FY2023: Initial budget

Source: Ministry of Finance

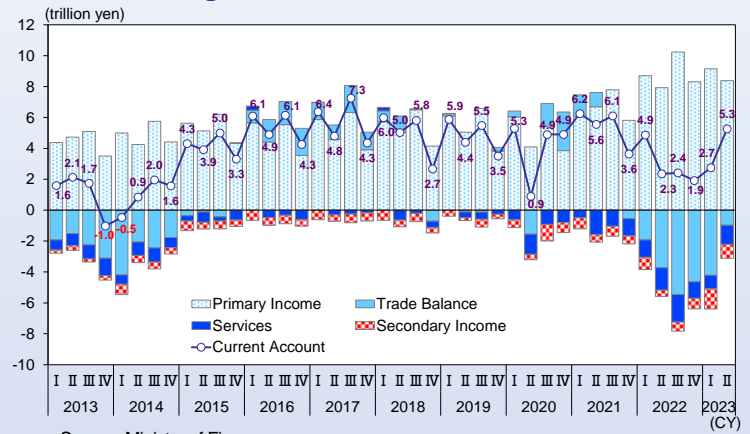


# Economic and Financial Trends

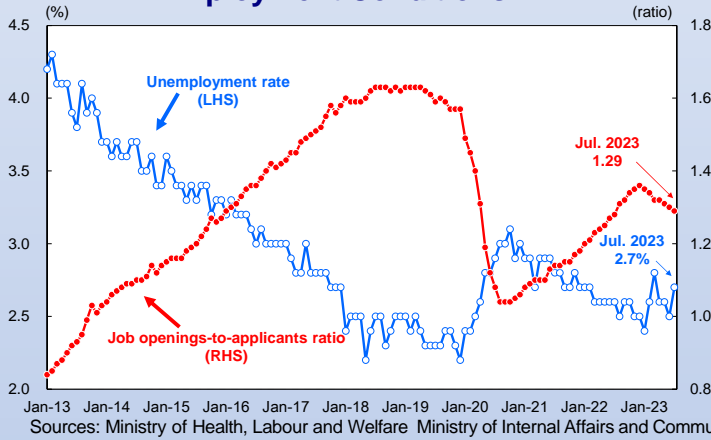
## Real GDP Growth Rate



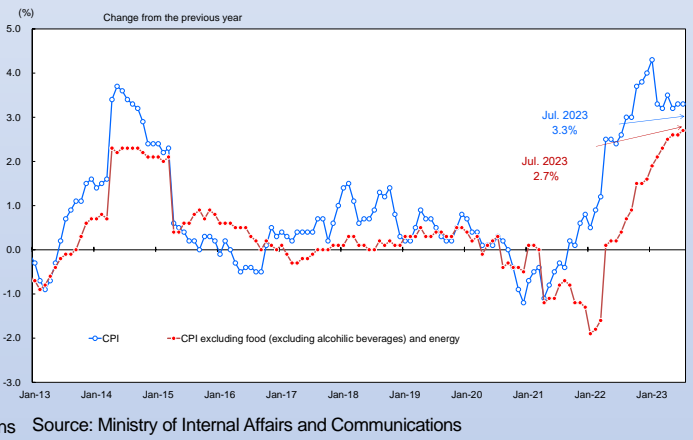
## Changes in Current Account



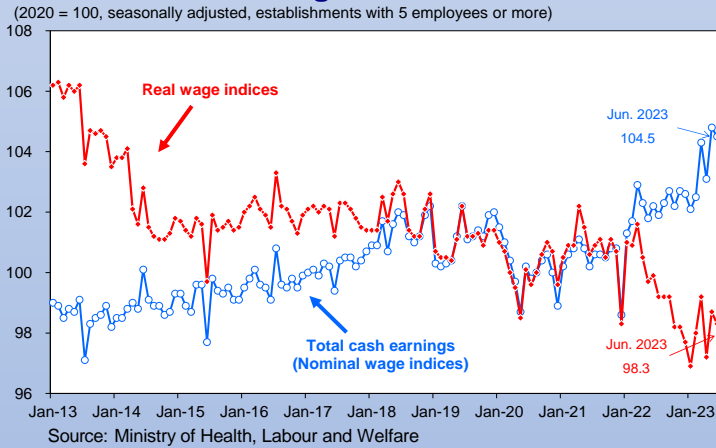
## Employment Conditions



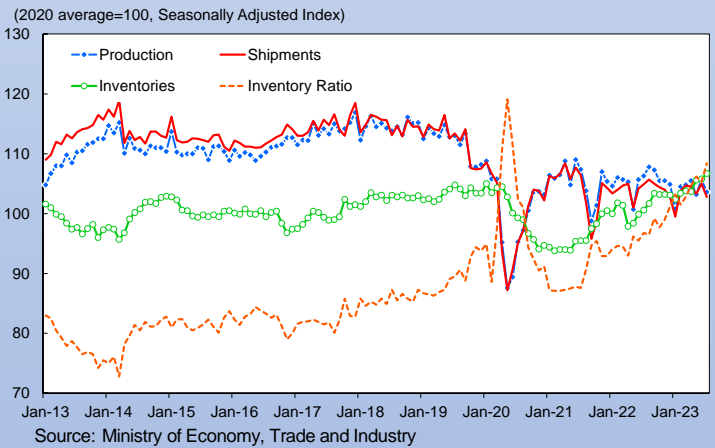
## Prices



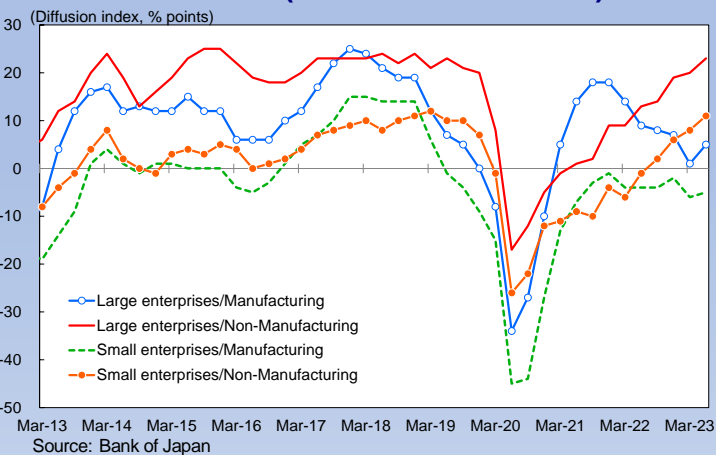
## Wage Indices



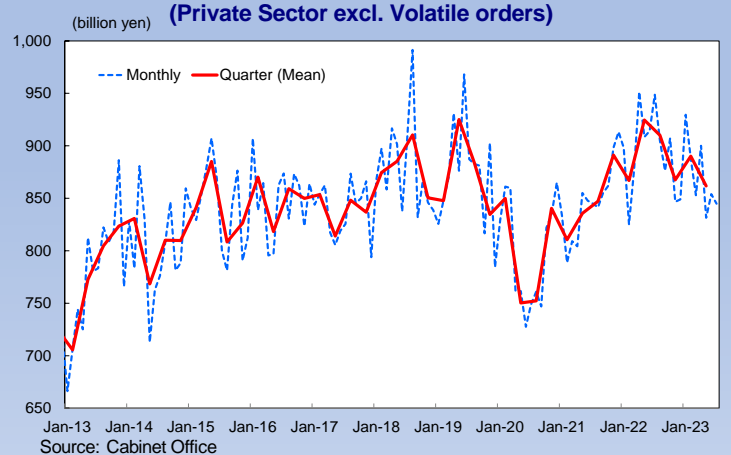
## Indices of Industrial Production



## TANKAN (Business Conditions)



## Total Value of Machinery Orders



## Information

English Publications on JGBs	Frequency	URL
<b>Debt Management</b>		
Message from the Financial Bureau	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/message.htm">https://www.mof.go.jp/english/jgbs/debt_management/message.htm</a>
About JGBs	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/guide.htm">https://www.mof.go.jp/english/jgbs/debt_management/guide.htm</a>
About the Debt Management Policy	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/about.htm">https://www.mof.go.jp/english/jgbs/debt_management/about.htm</a>
JGB Issuance Plan	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/plan/index.htm">https://www.mof.go.jp/english/jgbs/debt_management/plan/index.htm</a>
<b>Auction Calendar</b>		
Auction Calendar	Monthly	<a href="https://www.mof.go.jp/english/jgbs/auction/calendar/index.htm">https://www.mof.go.jp/english/jgbs/auction/calendar/index.htm</a>
Historical Data of Auction Results	Monthly	<a href="https://www.mof.go.jp/english/jgbs/auction/past_auction_results/index.html">https://www.mof.go.jp/english/jgbs/auction/past_auction_results/index.html</a>
<b>Topics</b>		
Product Characteristics of the JGB	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/bond/index.html">https://www.mof.go.jp/english/jgbs/topics/bond/index.html</a>
Treasury Discount Bills (T-Bills)	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/t_bill/index.htm">https://www.mof.go.jp/english/jgbs/topics/t_bill/index.htm</a>
Japanese Government Guaranteed Bonds	Annual	<a href="https://www.mof.go.jp/english/jgbs/topics/gov_guaranteed_bonds/index.htm">https://www.mof.go.jp/english/jgbs/topics/gov_guaranteed_bonds/index.htm</a>
Interest Rate Swap	Semiannual	<a href="https://www.mof.go.jp/english/jgbs/topics/swap/index.htm">https://www.mof.go.jp/english/jgbs/topics/swap/index.htm</a>
Taxation of Government Bonds	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/taxation2016/index.html">https://www.mof.go.jp/english/jgbs/topics/taxation2016/index.html</a>
For Individual Investors	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/individual/index.htm">https://www.mof.go.jp/english/jgbs/topics/individual/index.htm</a>
<b>Data</b>		
Central Government Debt	Quarterly	<a href="https://www.mof.go.jp/english/jgbs/reference/gbb/index.htm">https://www.mof.go.jp/english/jgbs/reference/gbb/index.htm</a>
Interest Rate	Daily	<a href="https://www.mof.go.jp/english/jgbs/reference/interest_rate/index.htm">https://www.mof.go.jp/english/jgbs/reference/interest_rate/index.htm</a>
STRIPS	Quarterly	<a href="https://www.mof.go.jp/english/jgbs/reference/jgbstat/index.htm">https://www.mof.go.jp/english/jgbs/reference/jgbstat/index.htm</a>
<b>Dialogue with the market</b>		
Study Group on Government Debt Management	Each Meeting	<a href="https://www.mof.go.jp/english/about_mof/councils/study_gov_debt_management/index.html">https://www.mof.go.jp/english/about_mof/councils/study_gov_debt_management/index.html</a>
Meeting of JGB Market Special Participants	Each Meeting	<a href="https://www.mof.go.jp/english/about_mof/councils/jgbsp/index.html">https://www.mof.go.jp/english/about_mof/councils/jgbsp/index.html</a>
Meeting of JGB Investors	Each Meeting	<a href="https://www.mof.go.jp/english/about_mof/councils/jgb_investor/index.html">https://www.mof.go.jp/english/about_mof/councils/jgb_investor/index.html</a>
<b>Publications</b>		
Debt Management Report	Annual	<a href="https://www.mof.go.jp/english/jgbs/publication/debt_management_report/index.htm">https://www.mof.go.jp/english/jgbs/publication/debt_management_report/index.htm</a>
JGB Newsletter	Monthly	<a href="https://www.mof.go.jp/english/jgbs/publication/newsletter/index.htm">https://www.mof.go.jp/english/jgbs/publication/newsletter/index.htm</a>

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