

# Japanese Government Bond Futures & Options

July, 2016



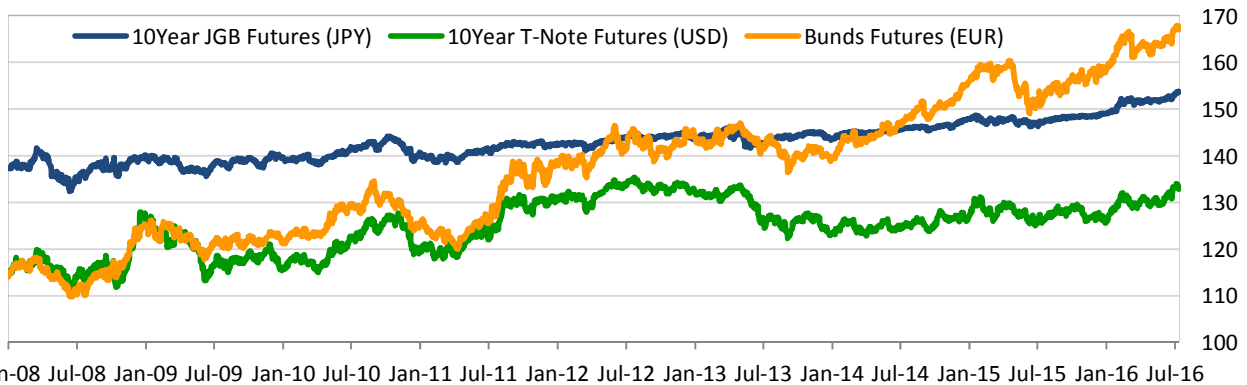
## Brief Overview

- The **indicator of the Japanese Yen interest rate market**, and one of the most liquid interest rate markets in the world.
- Trading is available from **8:45 am to 5:30am (JST)**. **Trading hours(Total 21 hours) covers major global markets.**
- **10-year JGB Futures** and **20-year JGB Futures** are listed.
- Not only physical delivery products, but a **mini-sized cash settled** contract is also available.
- By using **Options on JGB Futures**, it is possible to invest in volatility of JGB Futures and build a variety of strategies.

## Market Information

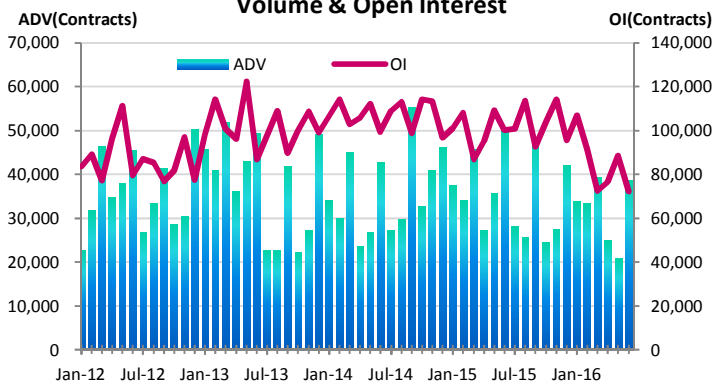
### (1) 10-year JGB Futures

#### Bond Futures

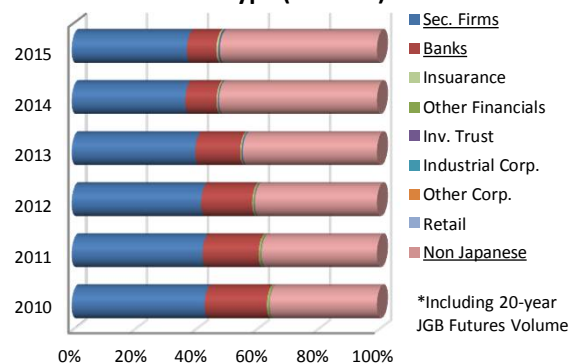


Jan-08 Jul-08 Jan-09 Jul-09 Jan-10 Jul-10 Jan-11 Jul-11 Jan-12 Jul-12 Jan-13 Jul-13 Jan-14 Jul-14 Jan-15 Jul-15 Jan-16 Jul-16

#### Volume & Open Interest

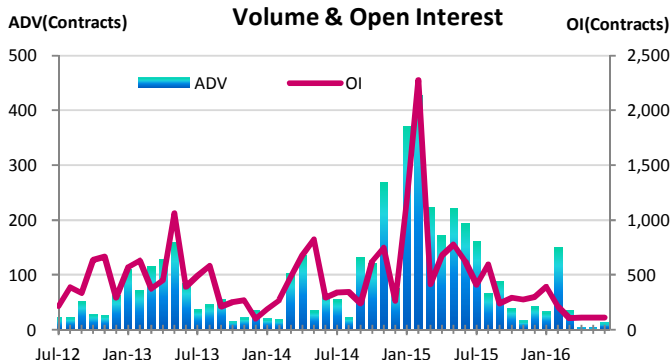


#### Investor Type (Volume)



### (2) mini JGB Futures

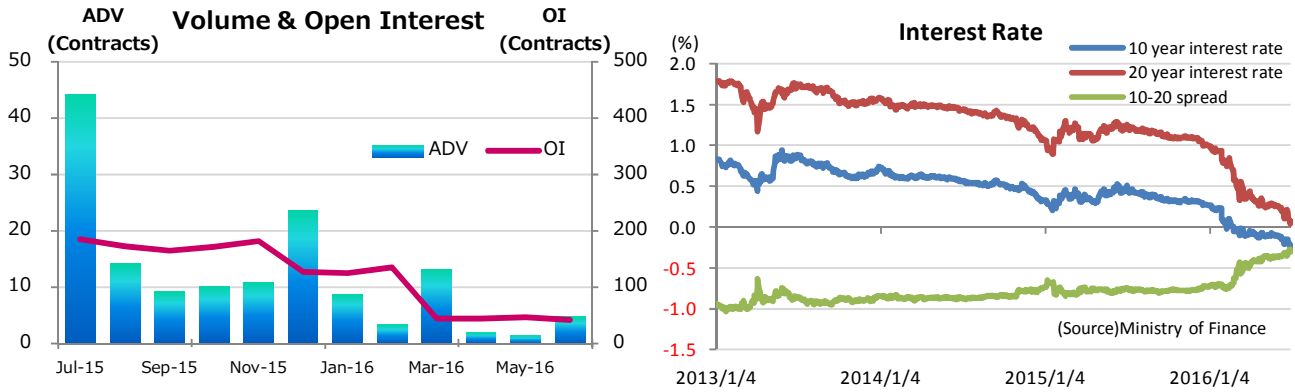
#### Volume & Open Interest



#### Mini Futures

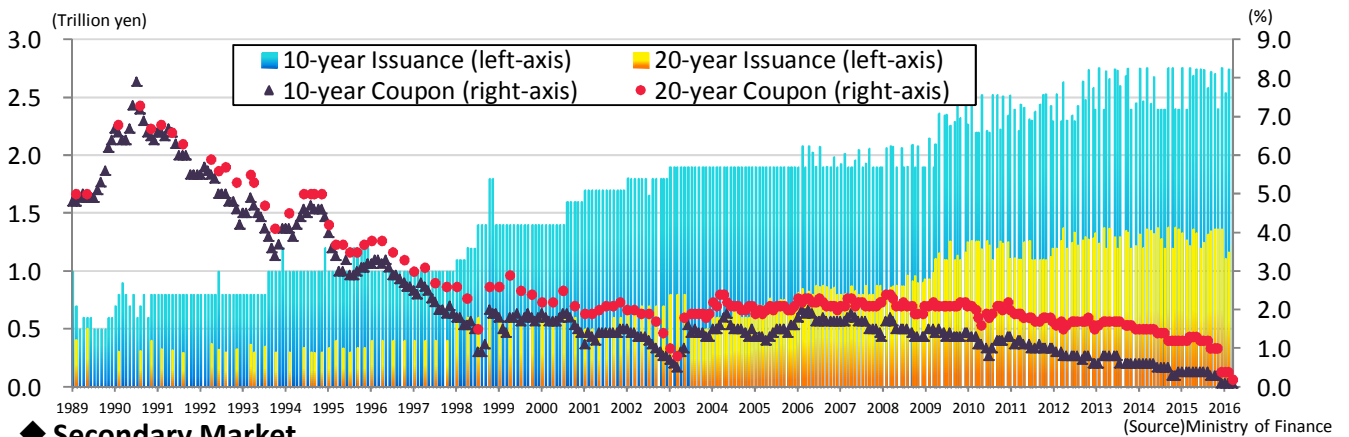
- One-tenth size
- Cash settlement
- Quoted continuously by market makers.
- Used by asset management firm to adjust the position precisely.
- Individuals also use mini JGB Futures.

### (3) 20-year JGB Futures



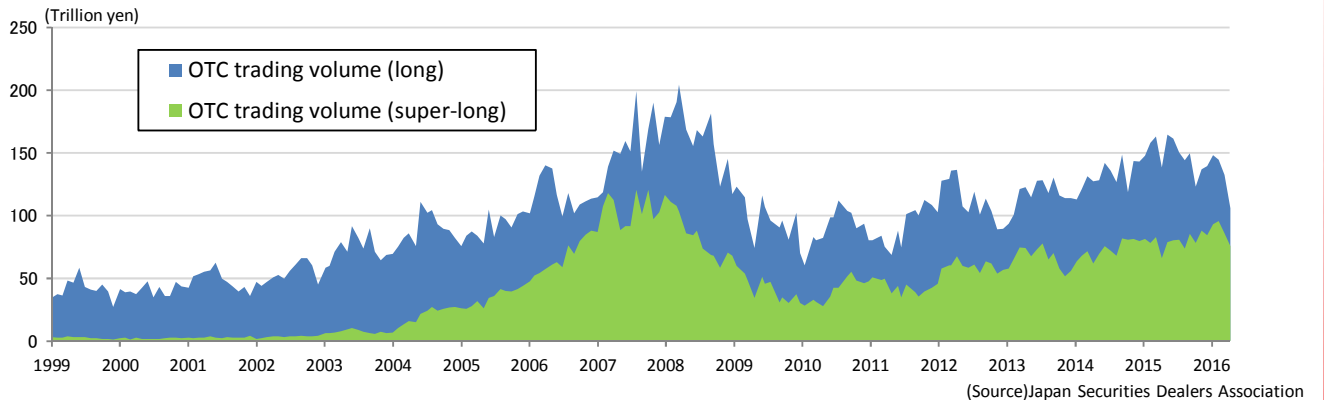
### ◆ Primary Market (10Y JGB, 20Y JGB)

Since Oct. 2003, 20-year JGBs are issued monthly.



### ◆ Secondary Market

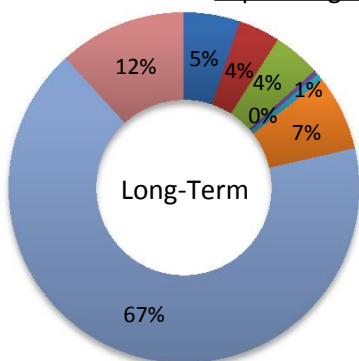
In FY 2015, over-the-counter trading of super-long-term JGBs is around ¥70-90 trillion per month, which is more than half of the over-the-counter trading volume of long-term JGBs.



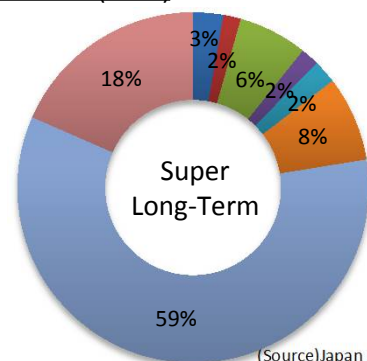
### ◆ Trading Volume by Investor Category

Banks occupy about 13% share in the long-term JGB market, and their share in the super-long-term JGB market is about 11%.

Super Long & Long-Term JGB Traded Volume by Type of Investors(2015)



- City Banks & Long-Term Credit Banks
- Regional Banks and 2nd Regional
- Trust Banks
- Fin.Insts. for Agr. & Forestry
- Life & Non-Life Insurance Companies
- Foreigners
- Bond Dealers (Securities Company etc.)
- Others





## Contract Specifications

### ◆ JGB Futures

	10-year JGB futures	Mini JGB futures	20-year JGB futures
Underlyings	Standardized 6%, 10-year JGB		Standardized 3%, 20-year JGB
Trading Hours	[Morning session] Open: 8:45 am, Regular session: 8:45 am – 11:00 am, Close: 11:02 am [Afternoon session] Open: 12:30 pm, Regular session: 12:30 pm – 3:00 pm, Close: 3:02 pm [Night session(T+1)] Open: 3:30 pm, Regular session: 3:30 pm – 5:25 am, Close: 5:30 am		
Contract Months	3 contract months (Mar., Jun., Sep. and Dec. contract Cycle)		
Last Trading Day	<b>5<sup>th</sup> business day</b> prior to the 20 <sup>th</sup> of contract month	<b>6<sup>th</sup> business day</b> prior to the 20 <sup>th</sup> of contract month	<b>5<sup>th</sup> business day</b> prior to the 20 <sup>th</sup> of contract month
Contract Value	<b>¥100 million (FV)</b>	<b>¥10million (FV)</b>	<b>¥100 million (FV)</b>
Tick Size	<b>¥0.01 per FV ¥100</b>	<b>¥0.005 per FV ¥100</b>	<b>¥0.01 per FV ¥100</b>
Price Limit	Normal:+/- ¥2.00 Expansion:+/- ¥3.00		Normal:+/- ¥4.00 Expansion:+/- ¥6.00
Strategy Trading	Available. Implied function does <b>NOT</b> work.		
Final Settlement	Physical Delivery	<b>Cash settled</b> by large JGB Opening price on last trading day	All positions are transferred to TSE at settlement price every TSE business day.
J-NET (off-auction)	Trading Hours	8:20 am - 3:15 pm, (T+1)3:25 pm – 5:30 am	
	Tick Size	¥0.0001	
	Price Range	The DCB reference price(Last price for 10-year JGB Futures and Last BBO mid-price for mini JGB Futures and 20-year JGB Futures) +/- 0.5% of the base price for the daily price limits of the issue	
	Min. Unit	1 contract	
Give Up	Available		
Position Limit	NOT Applicable. But Large Position Report is required when net position exceeds a certain amount.	NOT Applicable.	NOT Applicable. But Large Position Report is required when net position exceeds a certain amount.
Initial Margin (as of 15 July, 2016)	¥720,000	¥72,000	¥2,720,000
Exchange fees	¥95 per contract (+clearing fee ¥49 per contract is charged.)	¥20 per contract (+clearing fee ¥5 per contract is charged.)	¥95 per contract (+clearing fee ¥49 per contract is charged.)
Bloomberg Reuters	JBA<Comdty> 0#JGB:	MJBA<Comdty> 0#JMB:	JJAA<Comdty> 0#JTB:

### ◆ Options on JGB Futures

Trading Hours	[Morning session] Open: 8:45 am, Regular session: 8:45 am – 11:00 am, Close: 11:02 am [Afternoon session] Open: 12:30 pm, Regular session: 12:30 pm – 3:00 pm, Close: 3:02 pm [Night session(T+1)] Open: 3:30 pm, Regular session: 3:30 pm – 5:25 am, Close: 5:30 am		
Contract Months	2 closest quarterly months (Mar, Jun, Sep, Dec) and 1 or 2 closest serial months (Trading period is 6 months for quarterly contract months, and 2 months for serial contract months.)		
Last Trading Day	The last business day of the month prior to the option contract month		
Exercise Period	Any trading day (American type option)		
Strike Price	ATM +/- 10 strikes with ¥0.5 intervals. (Minimum 21 strikes) Additional strikes will be set in conjunction with the underlying fluctuation. *All options series are available on website. <a href="http://www.jpx.co.jp/english/markets/derivatives/jnet-derivative/index.html">http://www.jpx.co.jp/english/markets/derivatives/jnet-derivative/index.html</a>		
Trading Unit	1 contract of large JGB futures (FV 100 million)		
Tick Size	¥0.01 per FV ¥100		
Strategy Trading	Available. Implied function is working between single contract and strategy contract.		
Final Settlement	10-year JGB futures trade is carried out at 3:15 pm (market close) on exercise day.		
J-NET (off-auction)	Available. (Trading Hours: 8:20 am - 3:15 pm, (T+1)3:25 pm – 5:30 am) Tick size: ¥0.0001, Minimum trading unit: 1 contract)		
Give up	Available.		
Position limit	NOT Applicable. But Large Position Report is required when net position exceed a certain amount.		
Exchange Fees	40 JPY per contract (+clearing fee ¥10 per contract is charged.)		
Bloomberg	JBA <Comdty> OMON	Reuters	0#JGB++

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