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Real vs. Nominal GDP

Source: Haver Analytics.

Figure 1.

JAPAN: GDP
(trillion yen, saar)

Real
Nominal

Source: Haver Analytics.

Figure 2.

JAPAN: GDP
(yearly percent change)

Real (-0.7)
Nominal (0.6)

Source: Haver Analytics.
Figure 3.

REAL GDP: JAPAN
(quarterly percent change, saar)

Total (-7.1)

Domestic Demand (-8.8)

Private Consumption (-10.6)

Gross Fixed Capital Formation (-12.3)

Source: Cabinet Office and Haver Analytics.

www.yardeni.com
Figure 4.

REAL GDP: JAPAN
(quarterly percent change, saar)

Private Nonresidential Investment (-17.3)

Exports of Goods & Services (-0.3)

Imports of Goods & Services (-10.2)

Government Consumption (0.9)

Source: Cabinet Office and Haver Analytics.
Figure 5.

JAPAN: INDUSTRIAL PRODUCTION
(2010=100)

Source: Ministry of Economy, Trade & Industry.

Figure 6.

JAPAN: INDUSTRIAL PRODUCTION
(2010=100)

Source: Ministry of Economy, Trade & Industry.
Figure 7.

JAPAN: INDUSTRIAL PRODUCTION
(2010=100)

Investment Goods:
- Capital Goods
- Capital Goods Ex Transportation
- Construction

Source: Ministry of Economy, Trade & Industry.

Figure 8.

JAPAN: INDUSTRIAL PRODUCTION
(2010=100)

Consumer Goods:
- Durable Goods
- Nondurable Goods

Source: Ministry of Economy, Trade & Industry.
Key Machinery Orders

**Figure 9.**

JAPAN: KEY PRIVATE MACHINE ORDERS*
(billion yen, sa)

* Excludes volatile ships and electric power (headline series).
Source: Cabinet Office.

**Figure 10.**

JAPAN: KEY PRIVATE MACHINE ORDERS*
(yearly percent change)

* Excludes volatile ships and electric power (headline series).
Source: Cabinet Office.
Figure 11.

JAPAN: MERCHANDISE TRADE BALANCE
(trillion yen, saar)

Source: Ministry of Finance and Japan Tariff Association.
Figure 12.

JAPAN: MERCHANDISE TRADE WITH ASIA
(trillion yen, annualized, 6-ma, nsa)


Figure 13.

JAPAN: MERCHANDISE TRADE WITH CHINA
(trillion yen, annualized, 6-ma, nsa)

**Figure 14.**

**JAPAN: MERCHANDISE TRADE WITH EU**  
(trillion yen, annualized, 6-ma, nsa)


**Figure 15.**

**JAPAN: MERCHANDISE TRADE WITH US**  
(trillion yen, annualized, 6-ma, nsa)

Figure 16.

SHARE OF JAPANESE EXPORTS
(percent based on 12-month sum)

- China (19.0)
- United States (19.7)
- Western Europe (11.7)


Figure 17.

SHARE OF JAPANESE EXPORTS
(percent based on 12-month sum)

- Rest of World*

* Total less China, US, and Western Europe.
Source: Ministry of Finance and Japan Tariff Association.
Figure 18.

**JAPAN: HOUSING STARTS**
(million units, saar)

Source: Ministry of Land, Infrastructure, and Transport.

Figure 19.

**JAPAN: HOUSING STARTS**
(yearly percent change)

Source: Ministry of Land, Infrastructure, and Transport.
**Figure 20.**

**JAPAN: UNEMPLOYMENT RATE**

(Percent)

Source: Haver Analytics.

**Figure 21.**

**JAPAN: UNEMPLOYMENT**

(Millions, sa)

Source: Haver Analytics.
Figure 22.

JAPAN: REAL CONTRACTUAL EARNINGS PER EMPLOYEE PER MONTH
(THOUSAND YEN)

* Deflated by CPI.

Figure 23.

JAPAN: REAL CONTRACTUAL EARNINGS PER EMPLOYEE PER MONTH
YEARLY PERCENT CHANGE

* Deflated by CPI.
Figure 24.

**JAPAN: HOUSEHOLD SPENDING**
(Yearly percent change)

![Household Spending Graph]

* Family Income & Expenditure Survey: Average living expenditure per household (including agricultural, forestry, and fisheries households).
Source: Ministry of Internal Affairs and Communications.

Figure 25.

**JAPAN: CONSUMER CONFIDENCE**
(50 + better, sa)

![Consumer Confidence Graph]

Source: Cabinet Office of Japan.
Figure 26.

**JAPAN: CONSUMER PRICE INDEX**
(Yearly percent change)

- **Total (0.7)**
- **Excluding Food & Energy (0.4)**

Source: Ministry of Internal Affairs and Communications.
Figure 27.

JAPAN: CONSUMER PRICE INDEX
(Yearly percent change)

Furniture & Household Utensils (2.6)
Clothes & Footwear (1.1)
Medical Care (0.8)
Transportation & Communication (1.7)

Source: Ministry of Internal Affairs and Communications.
Figure 28.
JAPAN: INTEREST RATES
(Percent, weekly)

- 10-Year Government Bond Yield (-0.16)
- Call Rate: Uncollateralized Overnight (-0.06)

Z = Zero Interest Rate Policy.
Source: Bank of Japan.

Figure 29.
JAPAN: RESERVE BALANCES AT BOJ
(Trillion yen, reserve adjusted, ratio scale)

Z = Zero Interest Rate Policy.
Note: Blue shade is Quantitative Easing Policy.
Source: Bank of Japan.
Money

Figure 30.

**JAPAN: MONETARY BASE***
(trillion yen, sa, average outstanding)

* Adjusted for change in reserve requirements.
Z = Zero Interest Rate Policy.
Note: Blue shade is Quantitative Easing Policy.
Source: Bank of Japan.

Figure 31.

**JAPAN: NEW M2***
(trillion yen, sa)

* New M2 excludes: cash and deposits held by securities companies and Tanshi companies, nonresident deposits, and cash held by the Japan Post Bank.
Source: Bank of Japan.
Figure 32.

JAPAN: M2 PLUS CDs*
(weekly percent change)

M2 Plus CDS (3.0)

Z = Zero Interest Rate Policy.
* In yen.
Note: Blue shade is Quantitative Easing Policy.
Source: Bank of Japan.

Figure 33.

JAPAN: AVERAGE LOANS OUTSTANDING AT TOTAL DOMESTIC BANKS
(trillion yen)

Z = Zero Interest Rate Policy.
Note: Blue shade is Quantitative Easing Policy.
Source: Haver Analytics.
Government Deficit & Debt

Figure 34. JAPAN: TOTAL NATIONAL GOVERNMENT DEBT (trillion yen, ratio scale)
Source: Bank of Japan.

Figure 35. JAPAN: TOTAL NATIONAL GOVERNMENT DEBT (as a percent of nominal GDP)
Source: Bank of Japan.
Figure 36.

JAPAN: TOTAL NATIONAL GOVERNMENT DEBT
(yearly change, trillion yen)

Source: Bank of Japan.

Figure 37.

JAPAN: TOTAL NATIONAL GOVERNMENT DEBT TIMES GOVERNMENT BOND YIELD/100
(trillion yen)

Source: Bank of Japan.
Figure 38. JAPAN: NIKKEI STOCK PRICE INDEX

Z = Zero Interest Rate Policy
Blue shade is Quantitative Easing Policy.
Source: Reuters America, Inc.

Figure 39. JAPAN: TOKYO BANK STOCK PRICE INDEX (1992=1000)

Z = Zero Interest Rate Policy
Blue shade is Quantitative Easing Policy.
Source: Haver Analytics.
**Figure 40.**

JAPAN: YEN/US DOLLAR
(inverted scale)

_Z_ = Zero Interest Rate Policy
Blue shade is Quantitative Easing Policy.
Source: Bank of Japan.

**Figure 41.**

YEN/EURO EXCHANGE RATE
(inverted scale)

_Z_ = Zero Interest Rate Policy
Blue shade is Quantitative Easing Policy.
Source: Federal Reserve Board.
Figure 42.

JAPAN: INTERNATIONAL RESERVES
(billion dollars, nsa)

- Nongold Reserves (IMF)
- Holdings of US Treasury Securities*

* Includes held by private and official accounts.
Source: US Department of the Treasury, Office of International Affairs and International Monetary Fund.

Figure 43.

JAPAN: INTERNATIONAL RESERVES
(billion dollars, yearly change)

- Nongold Reserves (IMF)
- Holdings of US Treasury Securities*

* Includes held by private and official accounts.
Source: US Department of the Treasury, Office of International Affairs and International Monetary Fund.

Figure 45.

JAPAN & US: NOMINAL GDP
(yearly percent change)

Source: US Department of Commerce, Bureau of Economic Analysis and Haver Analytics.

Figure 46.

JAPAN & US: 10-YEAR GOVERNMENT BOND YIELDS
(percent)

Source: Federal Reserve Board of Governors and Financial Times.
Japan vs. US GDP & Yield

**Figure 47.**

US TREASURY BOND YIELD & NOMINAL GDP GROWTH

- US Treasury 10-Year Bond Yield (percent) (1.5)
- Nominal GDP (yearly percent change) (4.0)

Source: Bureau of Economic Analysis and Federal Reserve Board.

**Figure 48.**

JAPAN: BOND YIELD & NOMINAL GDP

- 10-Year Government Bond Yield (percent)
- Nominal GDP (yearly percent change)

Source: Haver Analytics.
Figure 49.

JAPAN: CONSUMER CONFIDENCE & MANUFACTURING PURCHASING MANAGERS INDEX

Consumer Confidence (50 + better, sa) (38.4)
Manufacturing Purchasing Managers Index (47.8)

Source: Cabinet Office of Japan, Nikkei/Markit, and Haver Analytics.