

# ***Japan's Growth Based on International Sustainable Development***

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“To Ensure Japan's Economic Growth”

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# Broad Overview of Japan's Economic Growth and Prospects

## **Major Structural Characteristics:**

Very high performance in human capital:  
education, health

Very high performance in science, technology,  
innovation

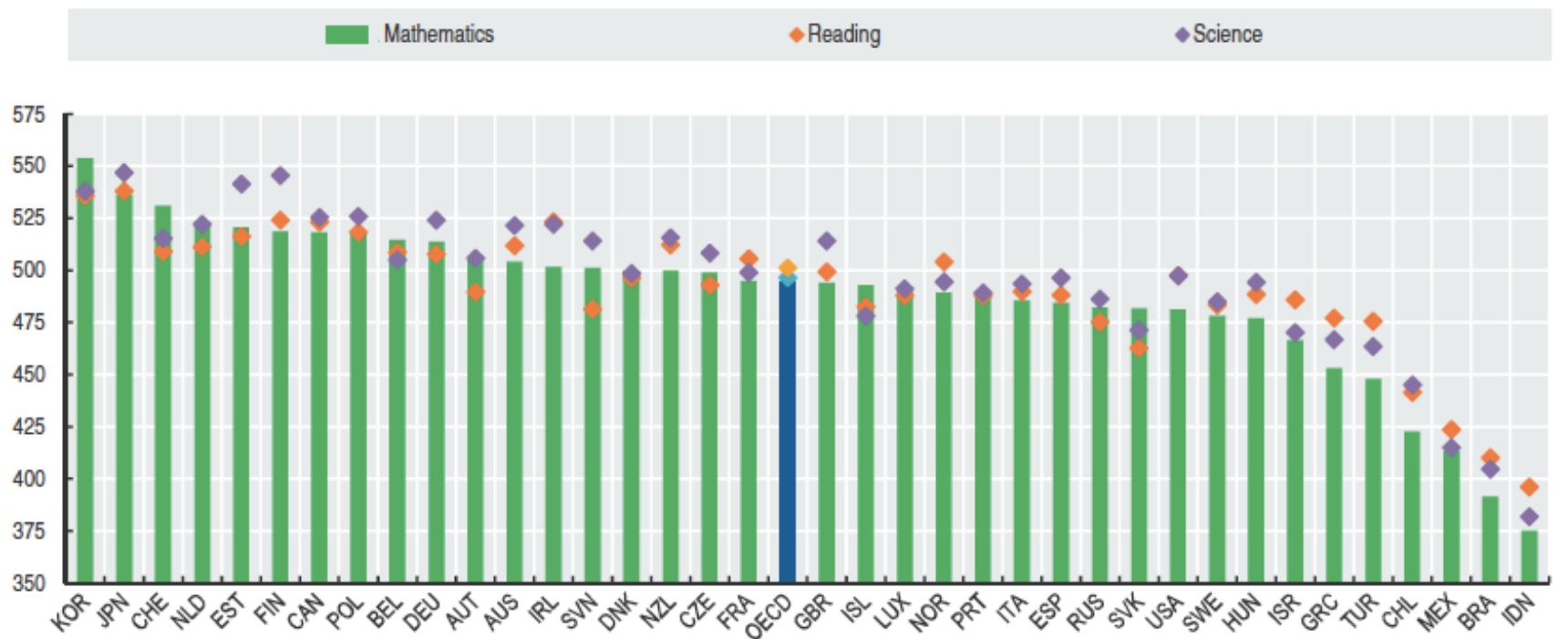
Still a surprisingly closed economy


Surprisingly modest productivity, probably  
linked to relatively closed structures

**EDUCATION**

# Performance in mathematics, reading and science, PISA 2012

Mean score

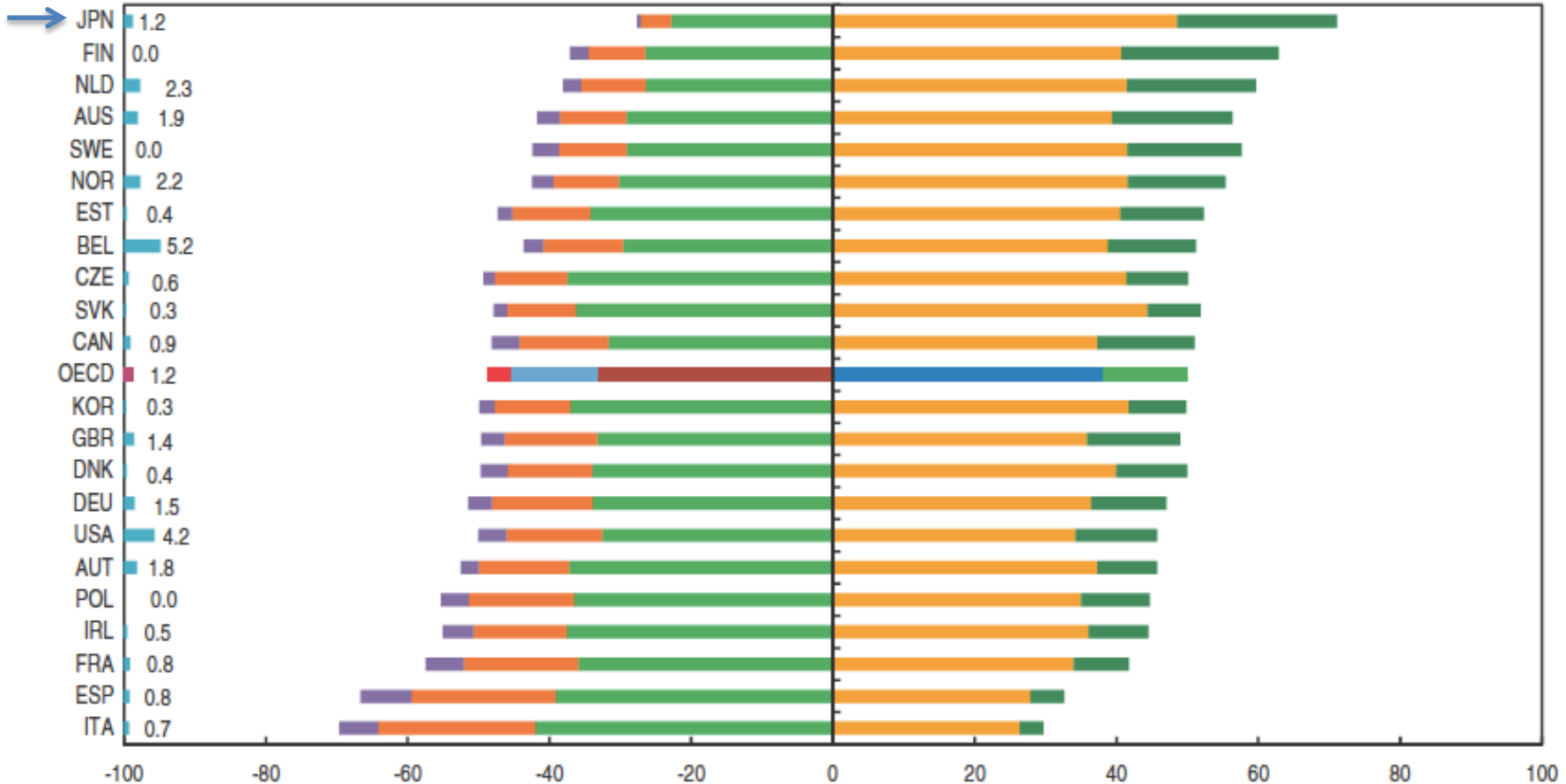


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# Literacy proficiency among 16-65 year-olds

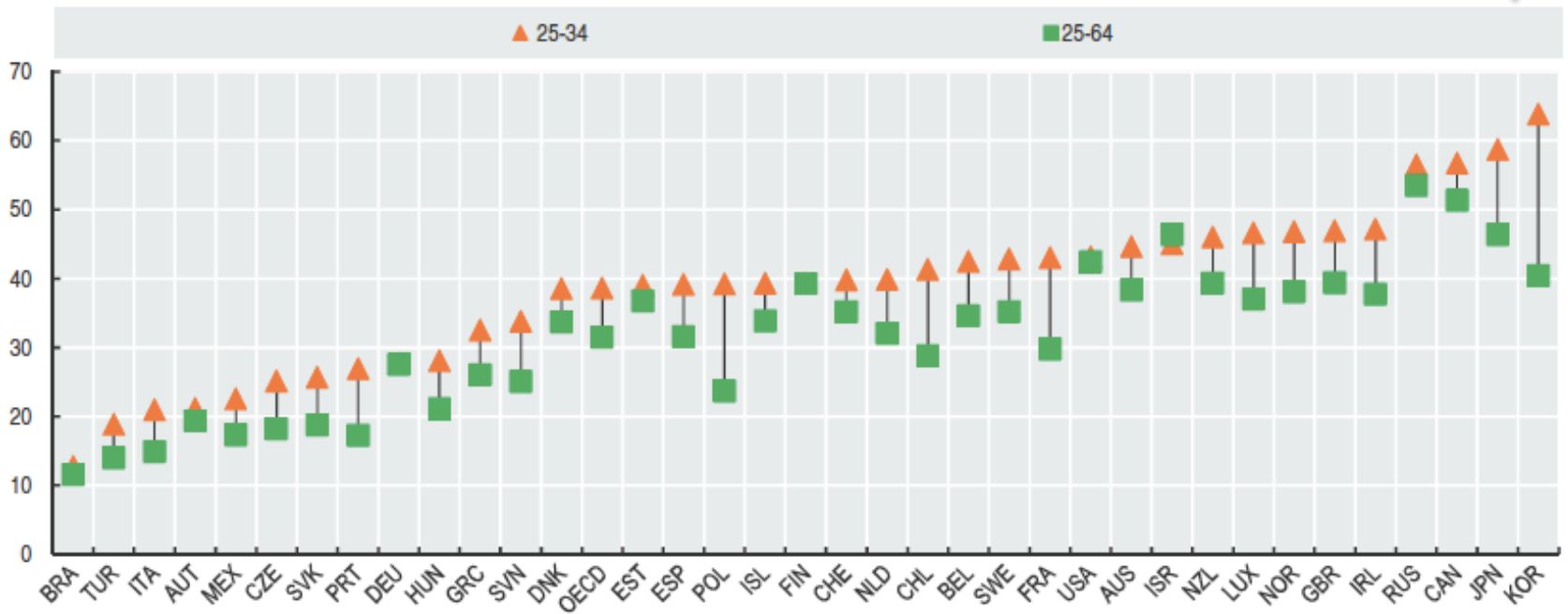
Percentage of adults scoring at each proficiency level in literacy

Level 2    Level 1    Below Level 1    No information    Level 3    Level 4/5



## Population that has attained tertiary education

Percentage, 2011

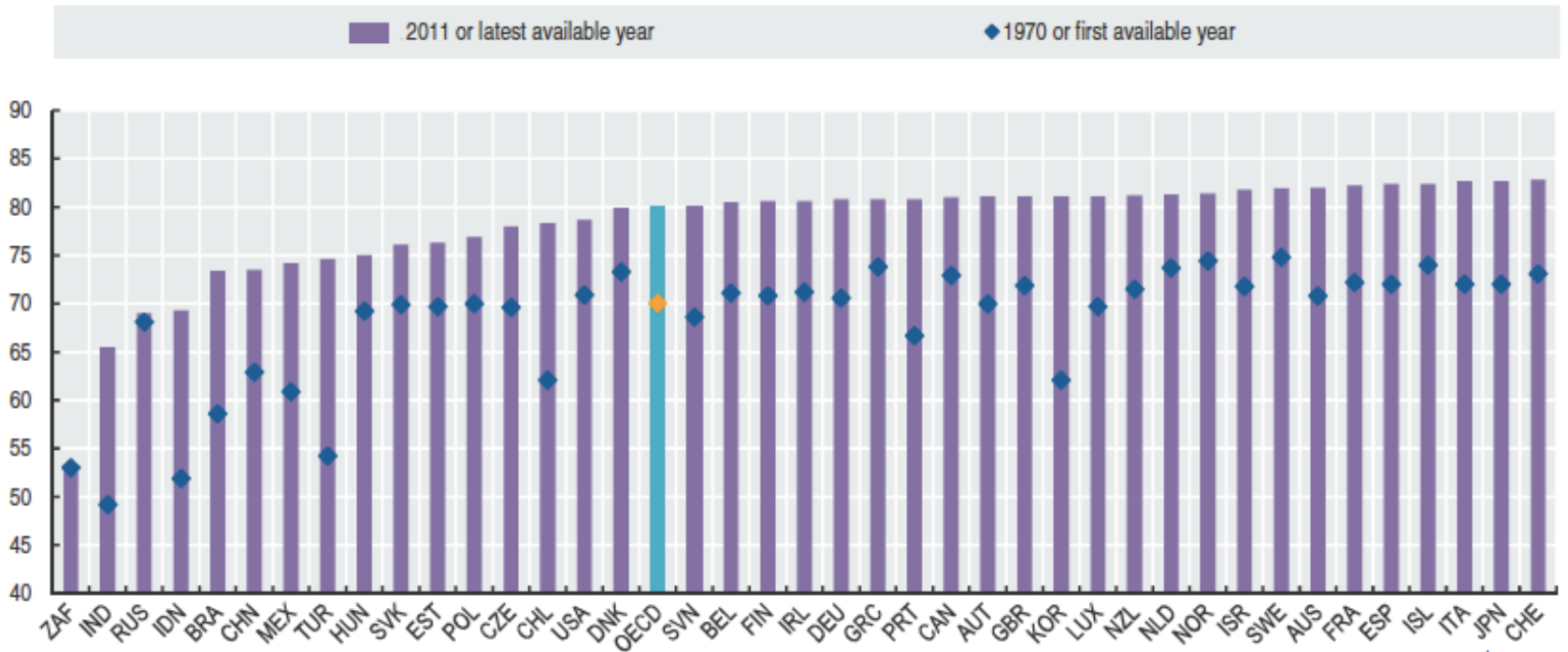


HEALTH



# Life expectancy at birth

Number of years

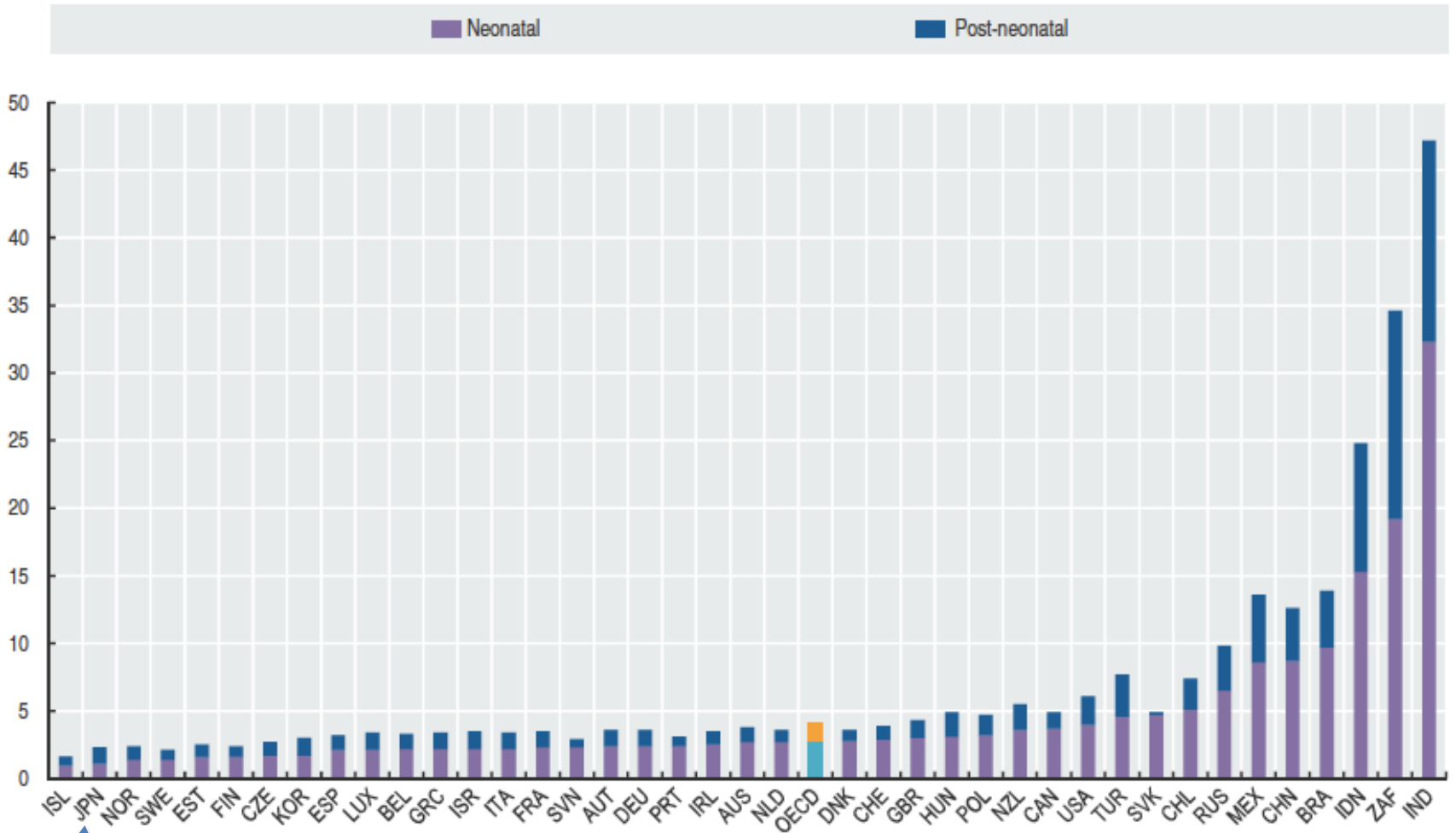


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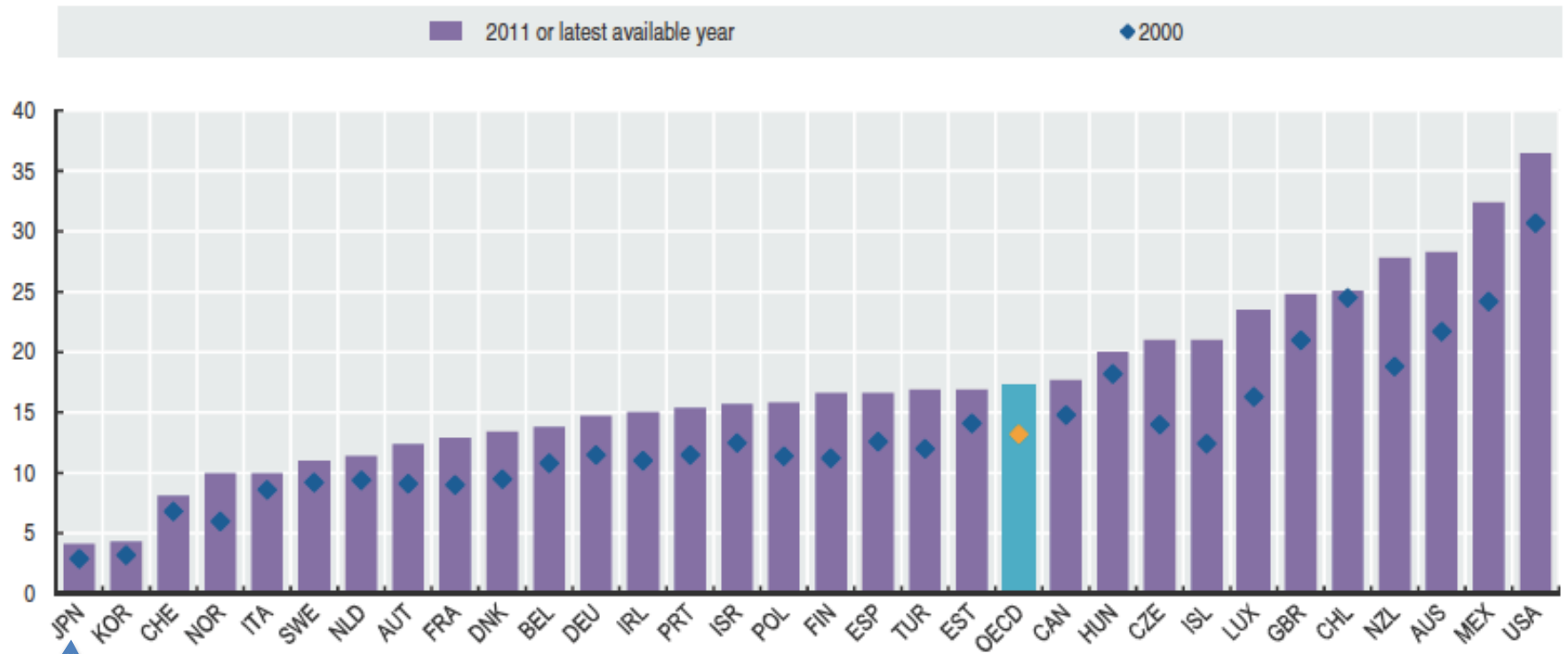
# Infant mortality rates


Deaths per 1 000 live births, 2011 or latest available year



## Increasing obesity rates among the adult population

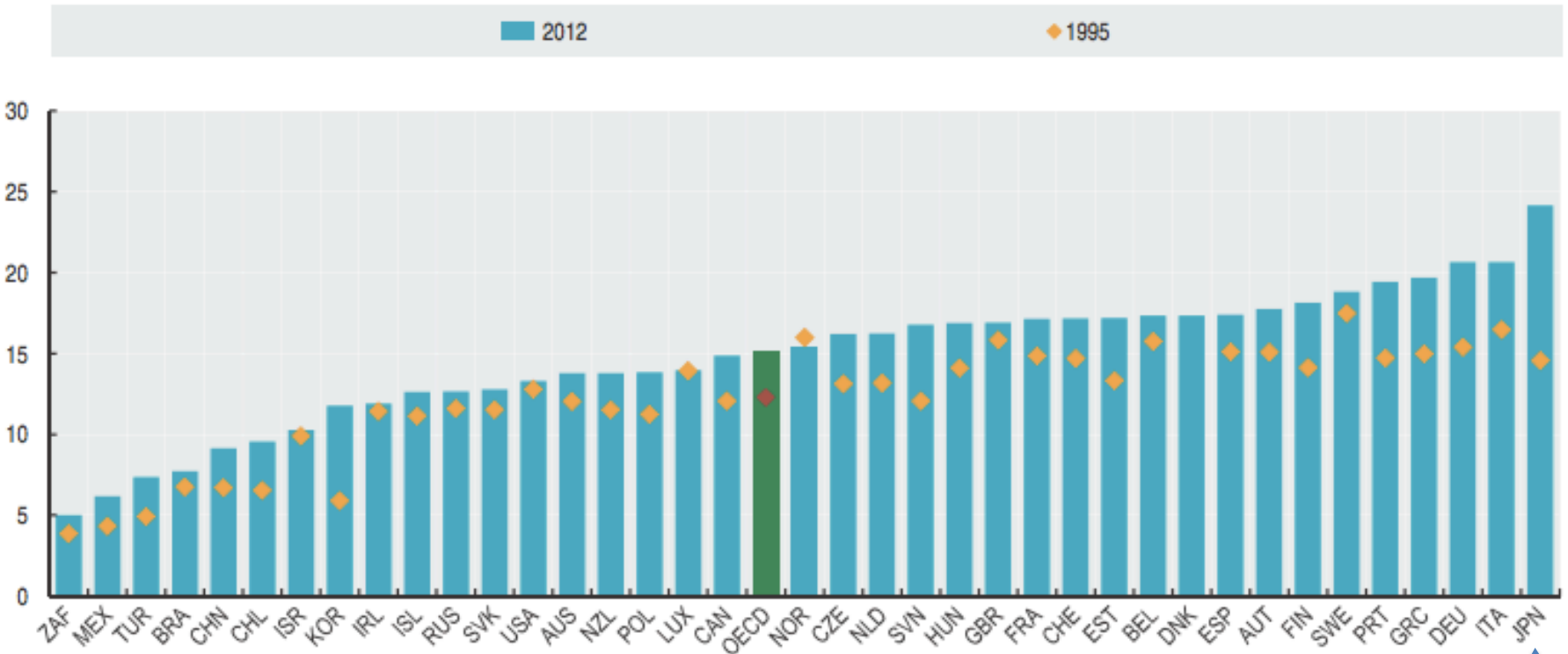
Percentage of population aged 15 and over



StatLink  <http://dx.doi.org/10.1787/888933027038>

# Elderly population

As a percentage of total population



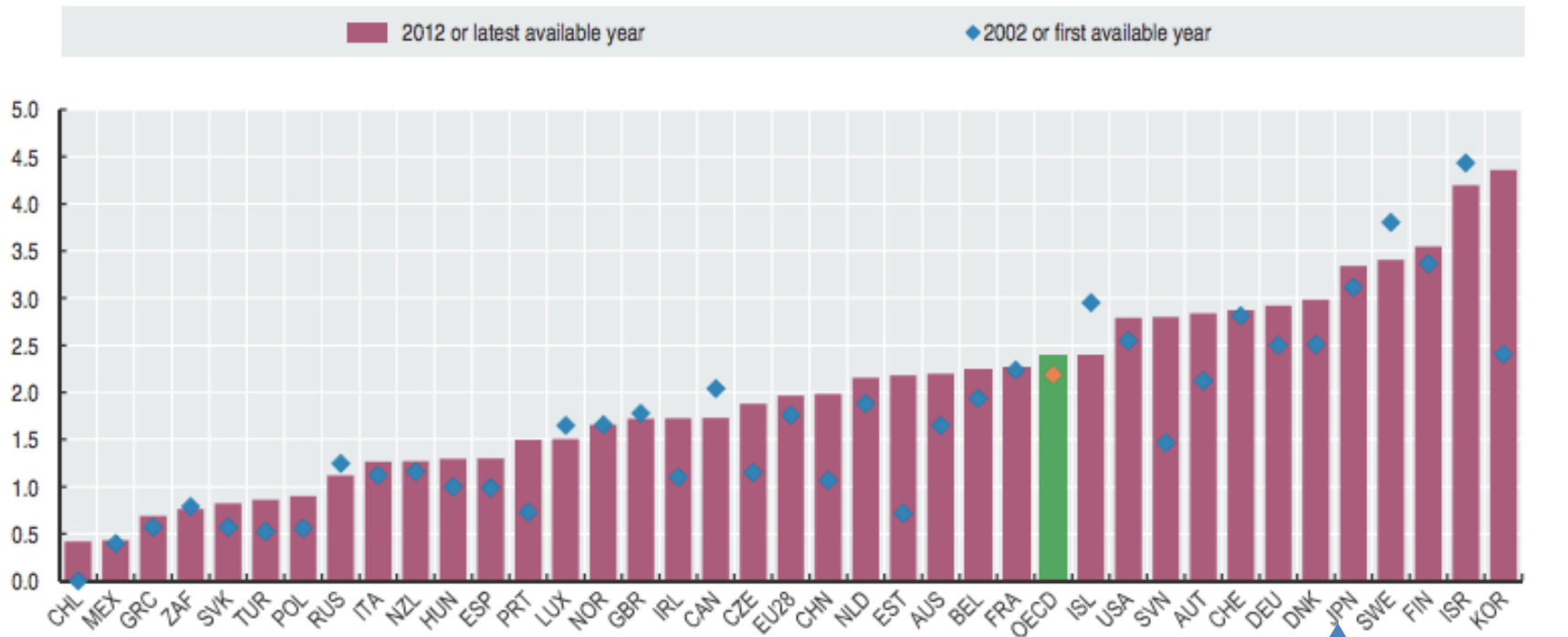
StatLink  <http://dx.doi.org/10.1787/888933024625>



# SCIENCE AND TECHNOLOGY

## Gross domestic expenditure on R&D

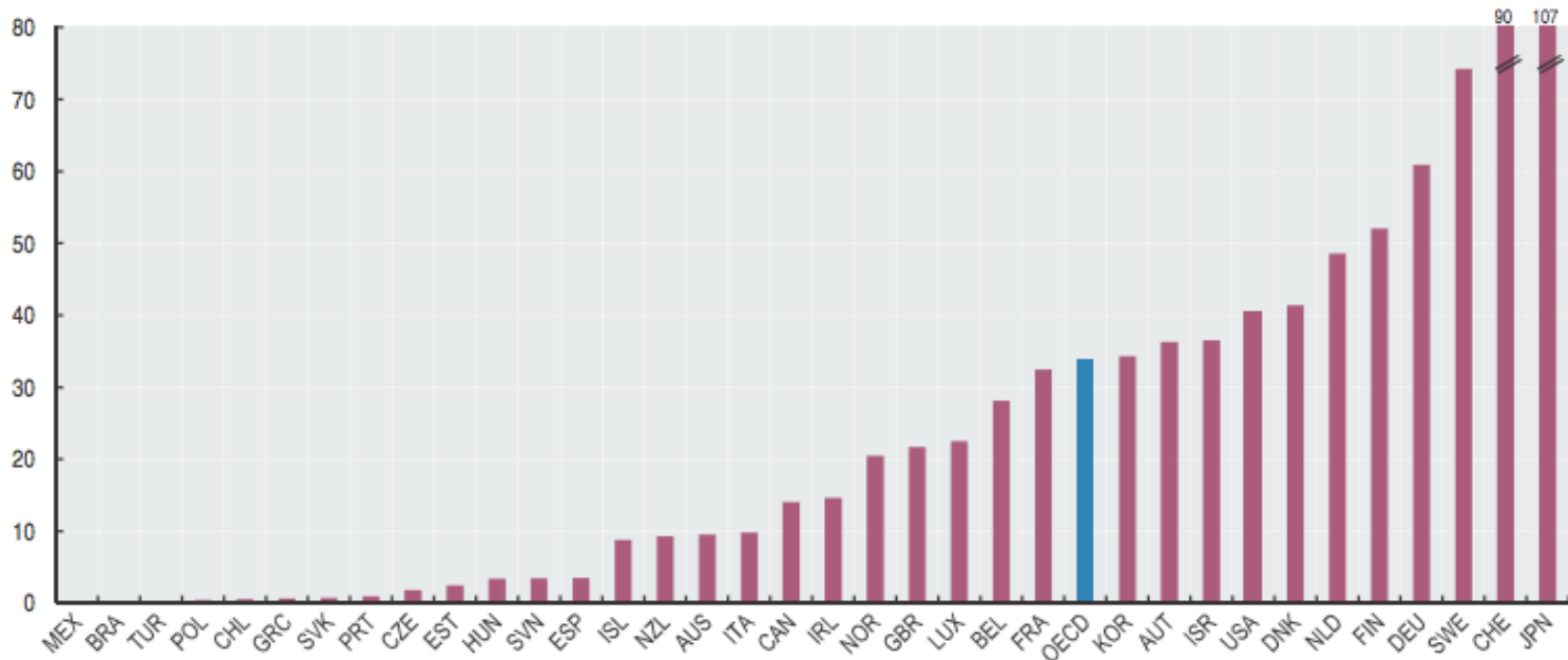
As a percentage of GDP




StatLink  <http://dx.doi.org/10.1787/888933025898>

## Triadic patent families

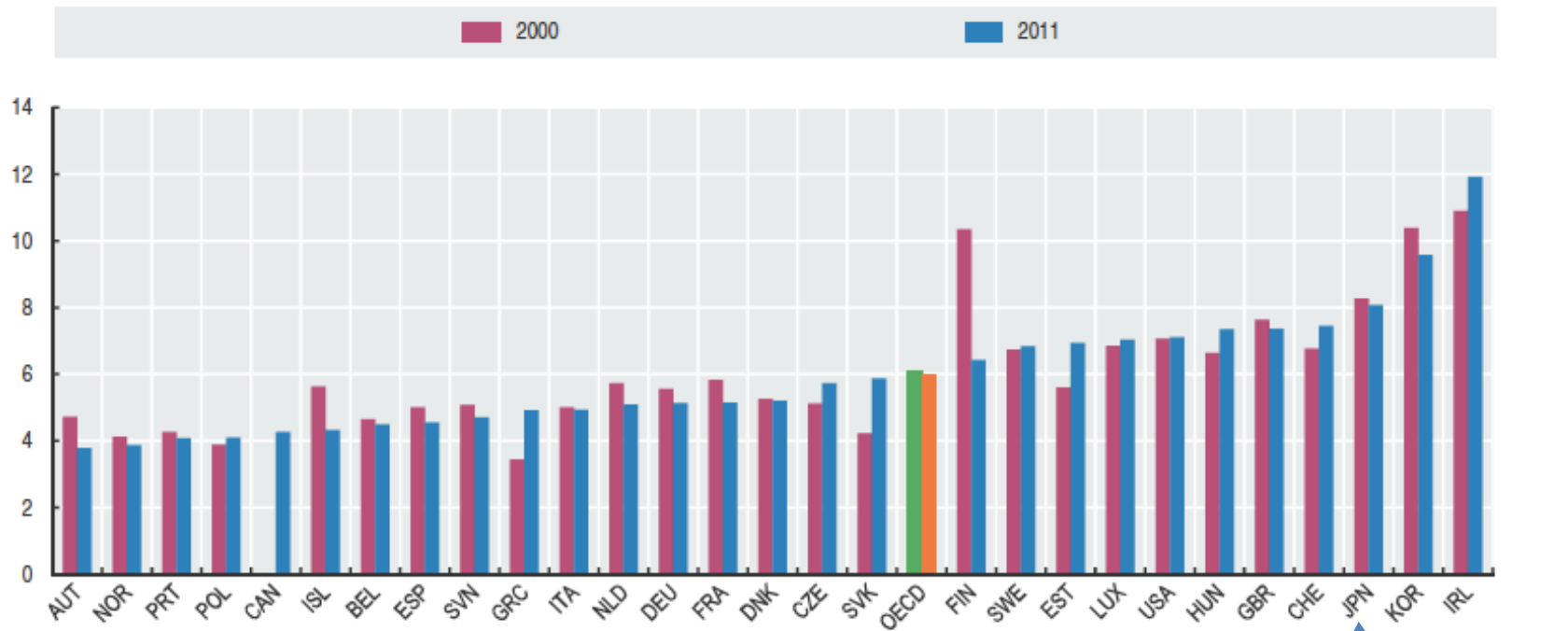
Number per million inhabitants, 2011



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## Share of ICT in value added

As a percentage of total value added

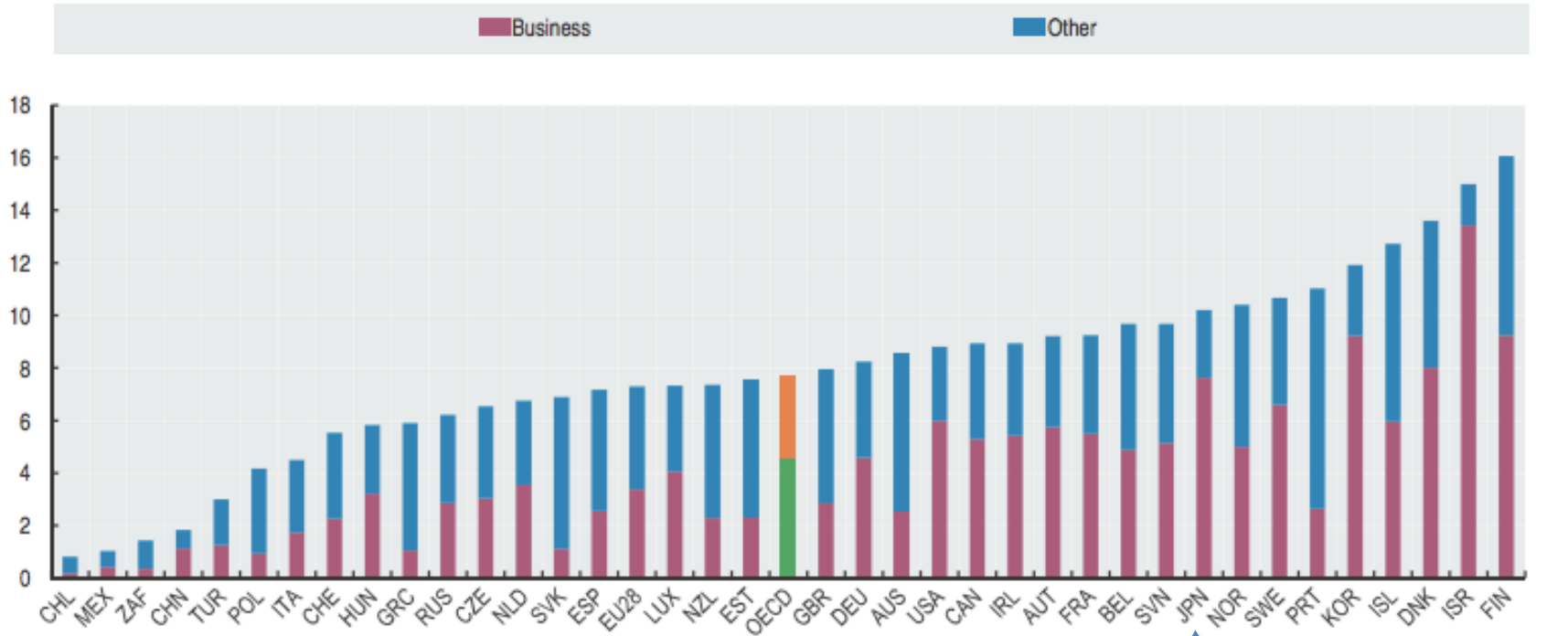


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## Researchers

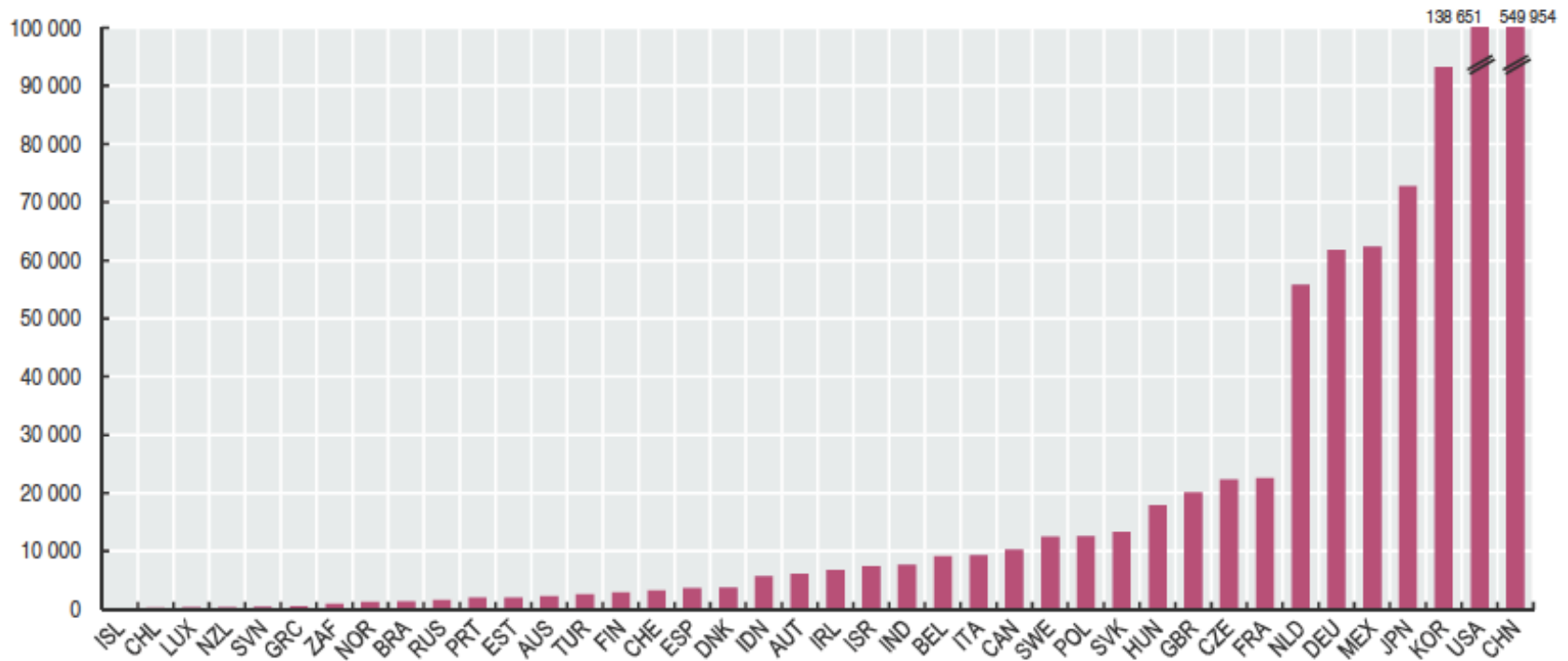
Per thousand employed, full-time equivalent, 2012 or latest available year



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## Exports of ICT goods

Million US dollars, 2012



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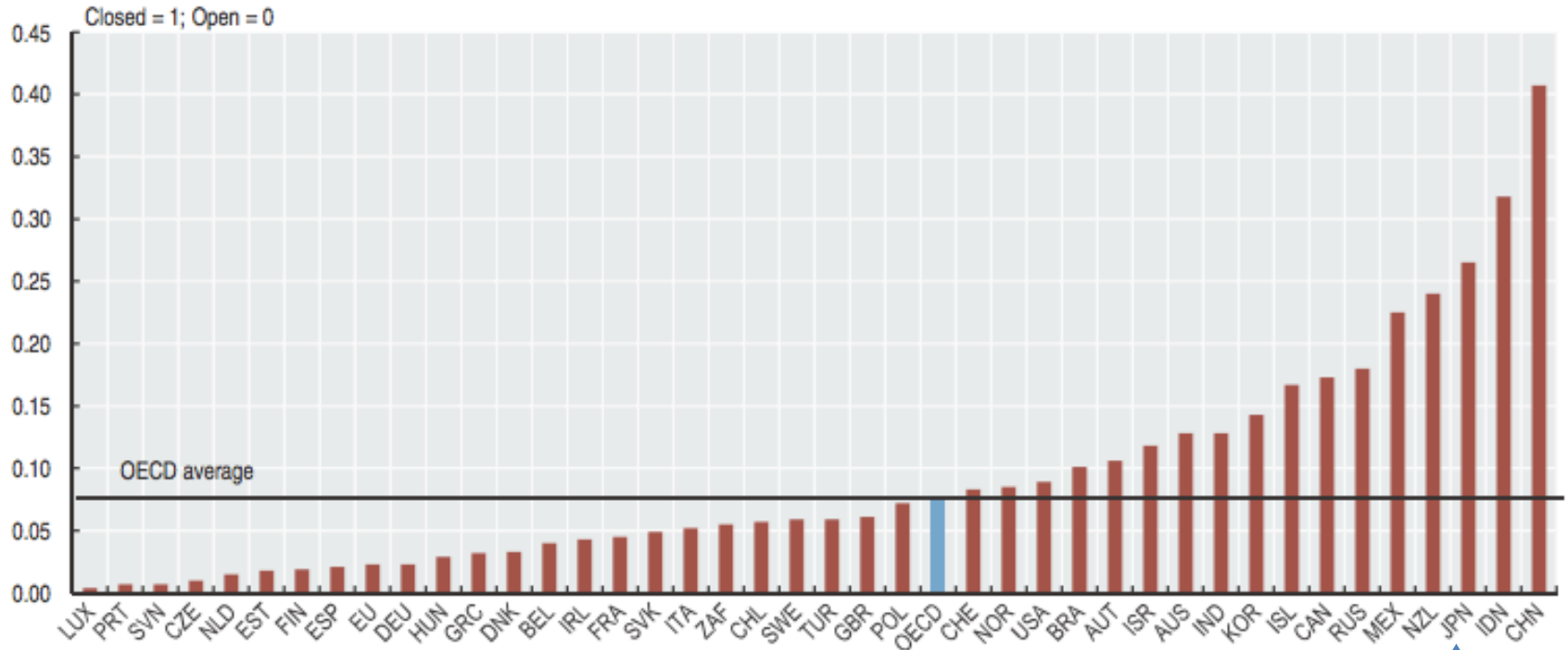
# JAPANESE LEADERSHIP IN INDUSTRIAL ROBOTICS: ROUGHLY HALF OF WORLD MARKET




Relative Lack of Openness

# FDI regulatory restrictiveness index

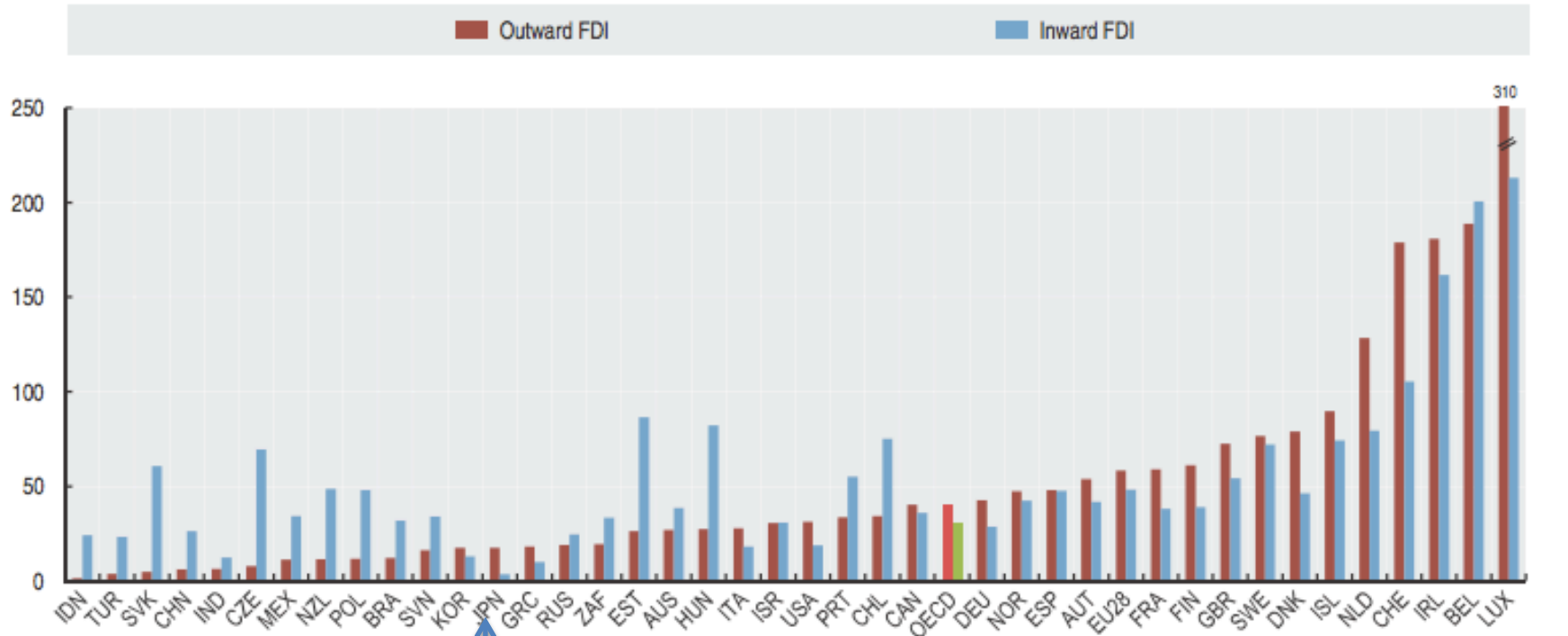
2012




StatLink  <http://dx.doi.org/10.1787/888933025290>

## FDI stocks

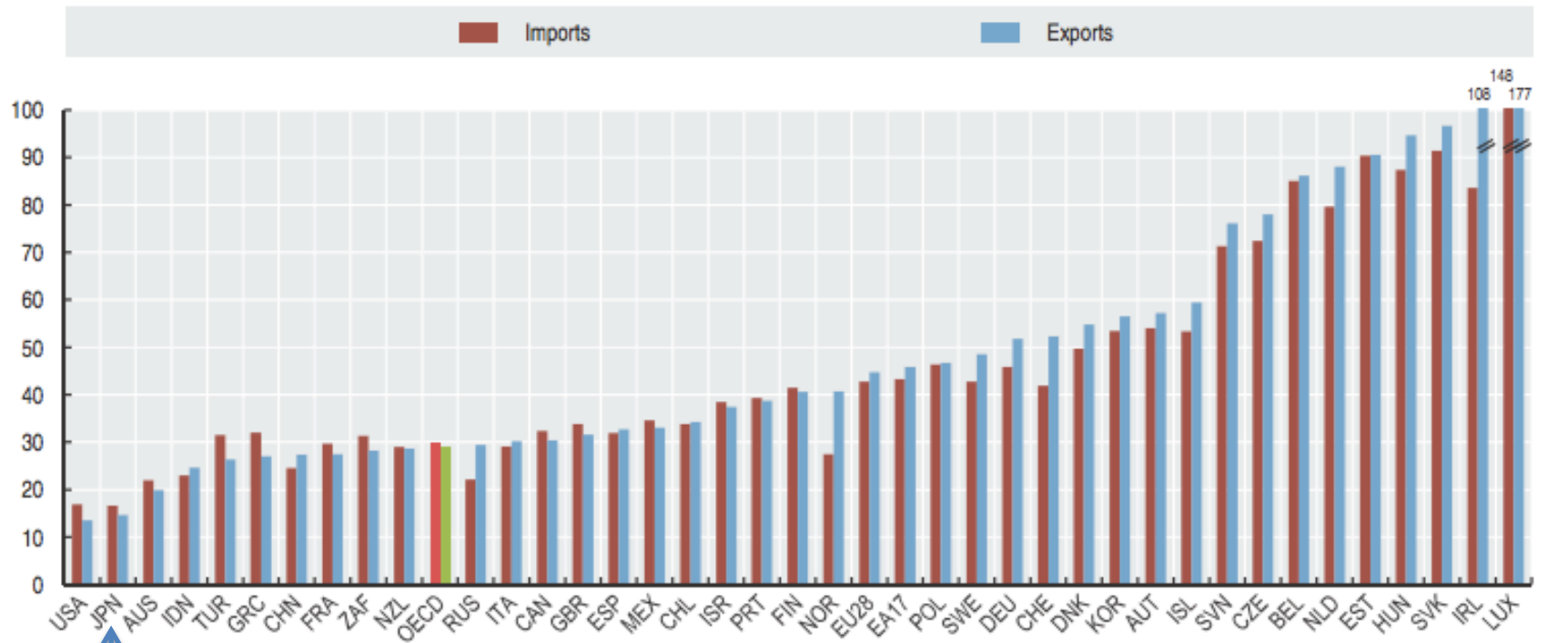
As a percentage of GDP, 2012 or latest available year




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## International imports and exports in goods and services

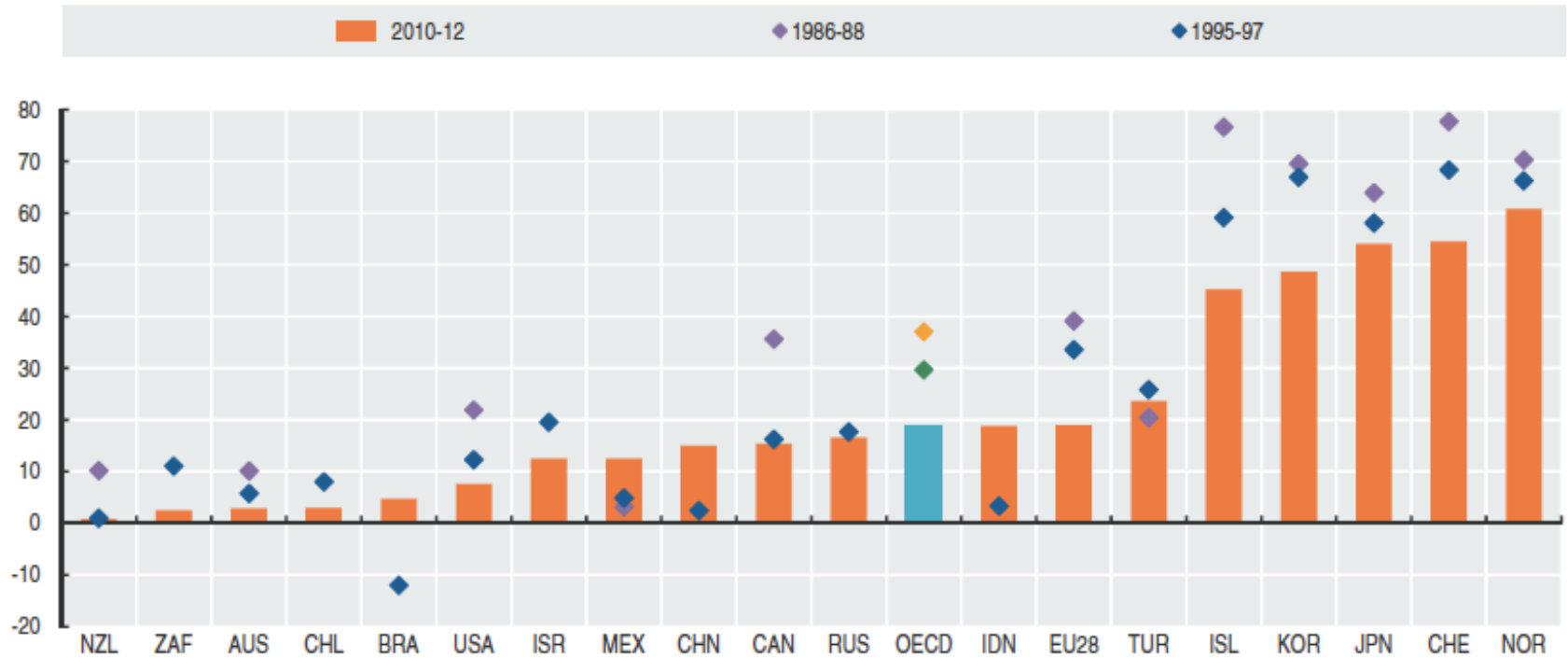
As percentage of GDP, 2012 or latest available year



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## Agricultural producer support estimate by country

As a percentage of gross farm receipts



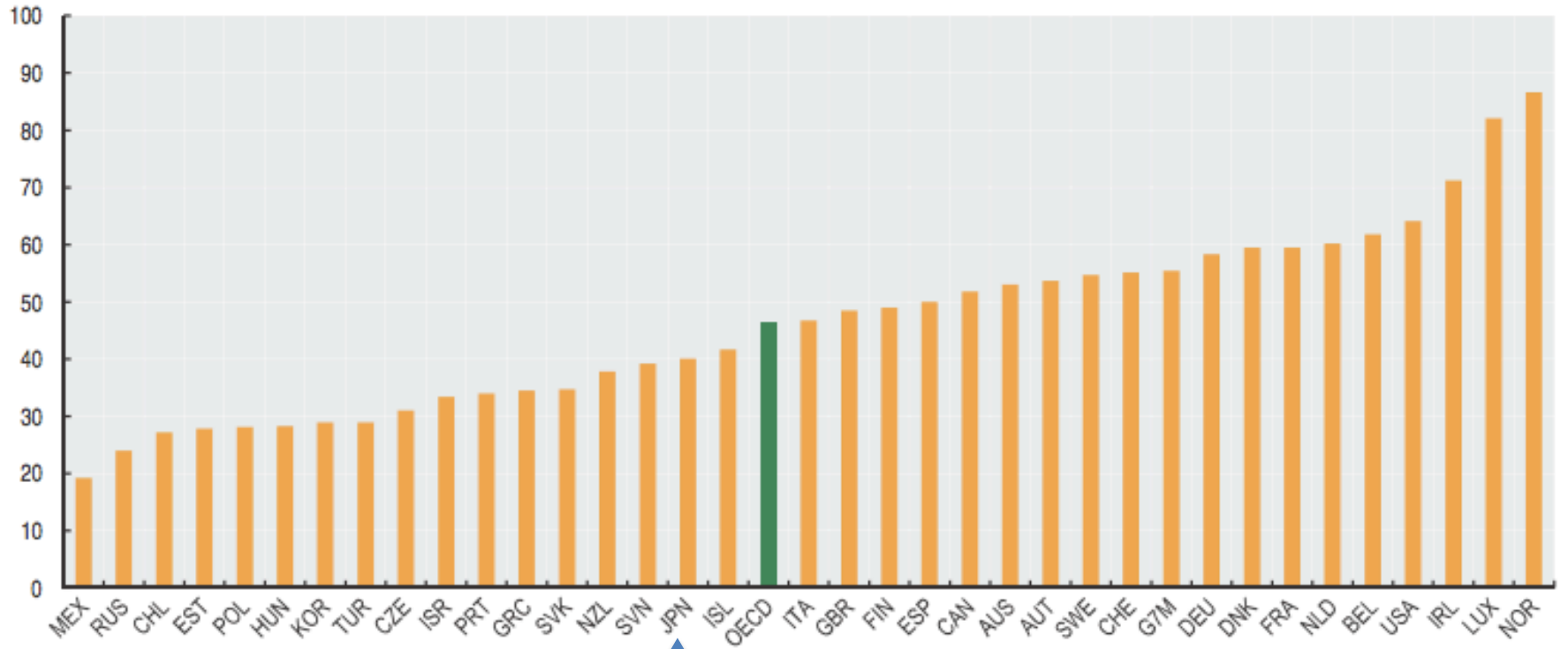
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JAPAN'S PRODUCTIVITY AND GROWTH  
ARE NOT COMMENSURATE WITH ITS  
TECHNOLOGICAL EXCELLENCE

## GDP per hour worked

US dollars, current prices and PPPs, 2012



StatLink  <http://dx.doi.org/10.1787/888933024815>

# SOME WEAKNESSES IN DEPLOYING JAPANESE ADVANCED TECHNOLOGIES:

LAG IN RECOGNIZING GLOBAL APPLICATIONS

LACK OF GLOBAL REACH

HIGH-COST PRODUCTION

LACK OF NATIONAL LOW-CARBON STRATEGY  
IN ENERGY