Foreign Direct Investment by Japanese Firms in the US

Lindsay Oldenski
PIIE and Georgetown University

Presented at the conference “Abenomics' Progress in Reforming Japan's Economy,” held at the Peterson Institute for International Economics, Washington, DC, March 26, 2015
Overview

• Outward foreign direct investment (FDI) by Japanese firms has been expanding rapidly.

• In 2013 Japanese firms were the largest source of new inflows of FDI in the US for the first time since 1992, investing almost $45 billion.

• What is driving this growth, and what are the implications for both Japanese firms and host countries such as the US?
Outward FDI Flows from Japan ($b)

Source: UNCTAD
Japanese Outward FDI by Country ($b)

Source: UNCTAD FDI/TNC database, based on data from the Bank of Japan.
Why do Japanese Firms Invest so Much in the US?

• Domestic demand in Japan is falling, mainly due to a decline in population.

• Rate of return on FDI is higher than that on domestic investment within Japan.

• Greater offshoring and globally engagement by US firms.

• Differences in immigration policy, especially for IT workers.

• Access to English speaking workers.
History of US Perceptions of FDI by Japanese firms

• 1980s: many in the US feared that Japanese firms would keep high value activities in Japan and import intimidate inputs.

• 1995: PIIE research by Monty Graham and Paul Krugman found that Japanese investors located high-value activities in the US and increasingly used local suppliers.

• Today: Japanese firms continue to make significant contributions to the US domestic economy in terms of wages and benefits, sales, value added, R&D, exports and imports.
Wages and Benefits per US Worker ($)

Source: US Bureau of Economic Analysis. Data are for 2012.
R&D Spending per US Worker ($)

Source: US Bureau of Economic Analysis
R&D

• The *amount* of R&D spending by Japanese firms in the US increased by 160% between 2000 and 2011, while total R&D expenditures by all foreign firms grew 73%.

• In 2000, the R&D *intensity* of Japanese firms in the US was lower than that of the average foreign firm. But by 2011 Japanese firms in the US had R&D spending of more than $10,260 per worker, compared to $8,270 for the average foreign firm in the US.
R&D

• Software patents have become an increasingly prominent segment of patenting overall, yet Japanese software patenting behavior at home has been much weaker than in the US.

• Software patents filed by Japanese companies operating in the US account for 24% of Japanese patents issued in the US, which is higher than the 17% share among American firms, and much higher than the 6% of overall Japanese patents (Branstetter, Arora and Drev 2013).
Productivity Spillover Effects

- Foreign firms may also have indirect “spillover” effects on the productivity of domestic firms.

- Moran and Oldenski (2013) used firm-level data on both FDI in the US and the operations of domestic US firms to study these effects. The findings suggest that about 12% of the total productivity growth in the US from 1987 to 2007 can be attributed to productivity spillovers from inward FDI.

- These results are consistent with the findings of other studies on multinational spillover effects, including Branstetter (2006), Haskel, Pereira and Slaughter (2007) and Keller and Yeaple (2009).
Conclusions

• FDI by Japanese firms in the US is increasing rapidly.

• This investment allows Japanese firms to improve their software patenting and global engagement, as well as gaining access to higher returns, strong US demand, and skilled labor.

• The US also benefits from the high wages, R&D investment, and productivity spillovers of Japanese firms in the US.