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How Does Trade Evolve in the Aftermath of Financial Crises?

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Aims and scope →

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Notes

- 1. See, among others, <u>Baldwin (2009)</u> and references therein, <u>Alessandria, Kaboski, and Midrigan (2010)</u>, <u>Bems, Johnson, and Yi (2010)</u>, <u>Levchenko, Lewis, and Tesar (2010)</u>, <u>Eaton and others (2011)</u>, and <u>Chor and Manova (2012)</u>. There is also a rising literature that provides microevidence on trade adjustment following large depreciations in emerging economies (for example, <u>Gopinath and Neiman, 2011</u>; and <u>Alessandria, Kaboski, and Midrigan, 2011</u>).
- 2. <u>Freund (2009)</u> also takes a historical perspective by examining the decline in world trade following four previous global downturns. In this paper we focus not on global trade dynamics, but on what happens to trade of individual economies that experience a banking or debt crisis.

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- 7. In the baseline specification, we include only the current value of the dummy for FTA. However, as <u>Baier and Bergstrand (2007)</u> have shown, FTAs can have strong cumulative effects on trade (we thank an anonymous referee for pointing this out). In order to address this issue, we estimate an alternative specification where we include current as well as five lags of the FTA variable. The coefficients on the importer and exporter crisis variables remain very similar to the baseline.
- 8. More precisely, it takes 11 years, because the coefficient of the eleventh lag is statistically indistinguishable from zero. The exact effect on imports in year k can be calculated as $(1-e^{-k}) \approx -k$, because k is small.
- 9. Several studies document substantial medium-term output losses following

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cross-sectional, rather than time-varying, determinants of trade, because their exclusion variables are time invariant. Note also that we implement the HMR methodology in the specification with separate exporter and importer fixed effects (and not interaction), because the exclusion variable varies only across country pairs but not over time.

- 12. As in <u>Cerra and Saxena (2008)</u>, we use the estimated coefficients on the crisis and its lags from a specification in which the dependent variable is the growth rate of the outcome of interest in order to construct the evolution of the level of the outcome of interest in the aftermath of a crisis.
- 13. See, for example, McKinsey (2010) and Tang and Upper (2010).

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<u>Laeven and Valencia (2008</u> and <u>2010</u>). Additional data sources are listed in <u>Table</u> A1.

Table A1 Data Sources

Crisis indicators are from <u>Laeven and Valencia (2008</u> and <u>2010</u>). <u>Laeven and Valencia (2010)</u> present new and comprehensive data on the starting dates and characteristics of systemic banking crises over the period 1970–2009, building on earlier work by <u>Caprio and others (2005)</u>, <u>Laeven and Valencia (2008)</u>, and <u>Reinhart and Rogoff (2009a)</u>. They update the <u>Laeven and Valencia (2008)</u> database on systemic banking crises to include the recent episodes following the U.S. mortgage crisis of 2007, and identify 129 episodes since 1970.

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Data on imports and exports by product category are constructed from the NBER-UN *World Trade Flows* database (see <u>Feenstra and others, 2005</u>). The database is first extended using the UN *Comtrade* database. The Standard International Trade Classification, Revision 2 (SITC Rev. 2) codes that identify products in the NBER-UN trade data are matched to the UN Broad Economic Classification (BEC) codes. These are then classified into Capital Goods, Consumer Durables, Consumer Nondurables, Intermediate Goods, and Primary Goods, following <u>Pula and Peltonen</u> (2009).7

Table A3 Imports and Exports Following Crises: Robustness

The measure of trade liberalization is from the IMF Structural Reforms Database

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