

The Long-Term Evolution of House Prices: An International Perspective

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Outline

Introductory remarks:

- **Motivation:** Housing is important; useful to provide context
- **Approach:** Examine house prices across time & countries (Advanced SOEs)

Long-run determinants of house prices:

- Demand: Macroeconomic, demographic, and credit conditions,
- **Supply:** Regulation and geography

Policy implications:

Macroprudential policy: effectiveness & complementary role

Key messages



Real house prices have increased globally since 1995





Conceptual issues – multiple dimensions

- Housing is both a consumption good (housing services) and an asset (store of wealth)
- Owner-occupied housing versus renting
- Single-family versus multiple unit
- Composite good: structure and land
- Existing versus new house

Focus: owner-occupied; existing singles & multiples; composite price



Demand Factors





Demand factors

Macroeconomic

Rising disposable incomes; lower long-term real interest rates

Demographic

Population growth; migration

Credit conditions

Improvements due to financial liberalization and innovation

Other possible factors

 Macro-policy framework improvements, international investment, preference shifts and regulatory/tax changes



House prices have increased relative to incomes





Population growth has contributed to house price increases, aided by net migration: 1975-94 and 1995-2014





Increasing urbanization is important





Credit conditions for housing finance have eased





Real long-term interest rates have trended downward since 2000





Housing finance index, mortgage market depth and home ownership rates





Mortgage funding by covered bonds and securitization has risen





Other factors supporting demand for houses





Supply Factors





Regulatory and physical constraints limit the price responsiveness of housing supply



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Land-use regulation and geographical constraints increase price-to-income ratio

Median price-to-income ratio and land-use regulation: 2014





House prices rise with increases in urban density: 1995-2014





With population density increasing and binding supply constraints, multi-unit starts are dominating in Canada's biggest cities





Policy Implications





Post-crisis monetary policy in advanced SOEs was effective





Implications of higher house prices for financial stability





Household leverage has grown, especially since 1995





Complementary role of macroprudential policy





Macroprudential policy: Effectiveness

Evidence on the effectiveness of loan-to-value and debt-to-income constraints and other policies

Reduce procyclicality of household credit and bank leverage

Moderate credit growth

Improve quality of borrowers

Lower rate of house price appreciation



Macroprudential tightening in Canada: 2008-12





Canadian post-crisis macroprudential policies contributed to higher borrower quality and lower household credit growth





Key messages

Real house prices have been rising relative to income in Canada and other comparable countries for about 20 years due to:

- Demand: Demographic forces (population growth, migration), improving credit conditions, other factors
- Supply: geography and regulation reduced supply elasticity, especially in urban areas

Macroprudential policy experience:

- complementary to monetary policy and
- better suited to address financial vulnerabilities