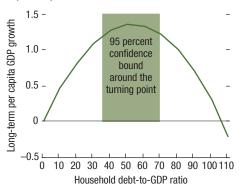
Figure 2.1.1. Long-Term per Capita GDP Growth and Household Debt

1. Effect of Household Debt on per Capita GDP Growth (Percent)



2. Panel Regression of per Capita GDP Growth and Household Debt, 1970–2010¹

	(1)	(2)	(3)
Variables	Per Capita	Per Capita	Per Capita
	GDP Growth	GDP Growth	GDP Growth
HHD	0.051*	0.007	0.021
HHD ²	(1.726) -0.048**	(0.346) -0.024	(0.762) -0.051**
טוווו	(-1.980)	(-1.494)	(-2.057)
Crisis	(1.500)	-0.017***	-0.015***
		(-6.319)	(-4.688)
$EME \times HHD$			-0.000
Education	0.000	0.010*	(-0.015)
Euucation	0.028 (1.117)	0.018* (1.818)	0.017 (1.576)
Initial per	-0.012**	-0.004	-0.000
capita GDP	(-1.973)	(-1.227)	(-0.078)
Constant	-0.035	-0.038	-0.066
Constant	(-0.353)	(-0.933)	(-1.507)
Observations	278	278	278
Number of	73	73	73
countries			
AR^2	0.0186	0.137	0.185
Hansen	0.253	0.797	0.361
Instruments	55	73	68

Source: IMF staff calculations.

Note: Figure shows nonlinear effect of household debt on long-term per capita GDP growth at various levels of household debt, based on a long-term panel regression. It uses the Arellano-Bover general method of moments estimator of five-year average per capita GDP growth (shown in panel 2) on household debt to GDP (HHD), the squared ratio of household debt to GDP (HHD²), initial per capita GDP, secondary education enrollment, dummies for banking crises (Crisis), and emerging market economies' household debt-to-GDP ratio (EME \times HHD).

^{***} *p* < 0.01; ** *p* < 0.05; * *p* < 0.1.

¹Z-statistics in parentheses.