

Table 1 Empirical Estimates of the Marginal Propensity to Consume (MPC) out of Transitory Income

Authors	Consumption Measure					Event/Sample
	Nondurables	Durables	Total PCE	Horizon*	Horizon*	
Agarwal and Qian (2014)			0.90	10 Months		Growth Dividend Program Singapore 2011
Blundell, Pistaferri, and Preston (2008) [†]	0.05		~ 0			Estimation Sample: 1980–92
Browning and Collado (2001)			0.36	1 Year		Spanish ECPF Data, 1985–95
Coronado, Lupton, and Sheiner (2005)			0.6–0.75	1 Year		2003 Tax Cut
Hausman (2012)			0.6–0.75			1936 Veterans' Bonus
Hsieh (2003) [‡]	~ 0					CEX, 1980–2001
Jappelli and Pistaferri (2014)	0.48					Italy, 2010
Johnson, Parker, and Souleles (2009)	~ 0.25			3 Months		2003 Child Tax Credit
Lusardi (1996) [‡]	0.2–0.5					Estimation Sample: 1980–87
Parker (1999)	0.2			3 Months		Estimation Sample: 1980–93
Parker, Souleles, Johnson, and McClelland (2013)	0.12–0.30		0.50–0.90	3 Months		2008 Economic Stimulus
Sahm, Shapiro, and Slemrod (2010)			~ 1/3	1 Year		2008 Economic Stimulus
Shapiro and Slemrod (2009)			~ 1/3	1 Year		2008 Economic Stimulus
Souleles (1999)	0.045–0.09	0.29–0.54	0.34–0.64	3 Months		Estimation Sample: 1980–91
Souleles (2002)	0.6–0.9			1 Year		The Reagan Tax Cuts of the Early 1980s

Notes: *: The horizon for which consumption response is calculated is 3 months or 1 year. The papers which estimate cumulative consumption response over the horizon of 3 months typically suggest that the response thereafter is only modest, so that the implied cumulative MPC over the full year is not much higher than over the first three months. †: elasticity.

Broda and Parker (2014) report the five-month cumulative MPC of 0.0836–0.1724 for the consumption goods in their dataset. However, the HomeScan/NCP data they use only covers a subset of total PCE, in particular grocery and items bought in supercenters and warehouse clubs. We do not include the studies of the 2001 tax rebates, because our interpretation of that event is that it reflected a permanent tax cut that was not perceived by many households until the tax rebate checks were received. While several studies have examined this episode, e.g., Shapiro and Slemrod (2003), Johnson, Parker, and Souleles (2006), Agarwal, Liu, and Souleles (2007) and Misra and Surico (2011), in the absence of evidence about the extent to which the rebates were perceived as news about a permanent versus a transitory tax cut, any value of the MPC between zero and one could be justified as a plausible interpretation of the implication of a reasonable version of economic theory (that accounts for delays in perception of the kind that undoubtedly occur).

Table 2 Parameter Values and Steady State

Description	Parameter	Value	Source
Representative agent model			
Time discount factor	β	0.99	JEDC (2010)
Coef of relative risk aversion	ρ	1	JEDC (2010)
Capital share	α	0.36	JEDC (2010)
Depreciation rate	δ	0.025	JEDC (2010)
Time worked per employee	ℓ	1/0.9	JEDC (2010)
Steady state			
Capital/(quarterly) output ratio	\mathbf{K}/\mathbf{Y}	10.26	JEDC (2010)
Effective interest rate	$r - \delta$	0.01	JEDC (2010)
Wage rate	\mathbf{W}	2.37	JEDC (2010)
Heterogenous agents models			
Unempl insurance payment	μ	0.15	JEDC (2010)
Probability of death	\mathbf{D}	0.00625	Yields 40-year working life
FBS income shocks			
Variance of $\log \theta_{t,i}$	σ_{θ}^2	0.010×4	Carroll (1992), Carroll et al. (2013)
Variance of $\log \psi_{t,i}$	σ_{ψ}^2	$0.010 \times 4/11$	Carroll (1992), DeBacker et al. (2013), Carroll et al. (2013)
Unemployment rate	u	0.07	Mean in JEDC (2010)
Variance of $\log \Xi_t$	σ_{Ξ}^2	0.00001	Authors' calculations
Variance of $\log \Psi_t$	σ_{Ψ}^2	0.00004	Authors' calculations
KS income shocks			
Aggregate shock to productivity	Δ^a	0.01	Krusell and Smith (1998)
Unemployment (good state)	u^g	0.04	Krusell and Smith (1998)
Unemployment (bad state)	u^b	0.10	Krusell and Smith (1998)
Aggregate transition probability		0.125	Krusell and Smith (1998)

Notes: The models are calibrated at the quarterly frequency, and the steady state values are calculated on a quarterly basis.

Table 3 Average (Aggregate) Marginal Propensity to Consume in Annual Terms

Model	Krusell–Smith (KS) Aggregate Process				Friedman/Buffer Stock (FBS) Aggregate Process			
	KS-JEDC Our Solution	KS-Hetero Our Solution	β -Point Net Worth	β -Dist Net Worth	β -Dist Liquid Financial Assets	β -Dist Liquid Financial Assets	β -Dist Net Worth	β -Dist Liquid Financial and Retirement Assets
Overall average	0.05	0.09	0.1	0.23	0.43	0.21	0.42	
By wealth/permanent income ratio								
Top 1%	0.04	0.04	0.07	0.05	0.12	0.06	0.12	
Top 10%	0.04	0.04	0.07	0.06	0.12	0.06	0.12	
Top 20%	0.04	0.04	0.07	0.06	0.13	0.06	0.13	
Top 40%	0.04	0.05	0.07	0.08	0.2	0.07	0.17	
Top 50%	0.05	0.05	0.07	0.09	0.23	0.07	0.22	
Top 60%	0.04	0.06	0.07	0.12	0.28	0.09	0.24	
Bottom 50%	0.05	0.13	0.13	0.35	0.59	0.33	0.58	
By income								
Top 1%	0.05	0.04	0.08	0.14	0.17	0.18	0.36	
Top 10%	0.05	0.04	0.08	0.16	0.27	0.18	0.36	
Top 20%	0.05	0.04	0.09	0.17	0.31	0.18	0.37	
Top 40%	0.05	0.05	0.1	0.19	0.34	0.2	0.38	
Top 50%	0.05	0.05	0.11	0.19	0.35	0.2	0.39	
Top 60%	0.05	0.06	0.1	0.2	0.37	0.21	0.39	
Bottom 50%	0.05	0.13	0.09	0.27	0.5	0.22	0.45	
By employment status								
Employed	0.05	0.09	0.09	0.2	0.39	0.19	0.39	
Unemployed	0.06	0.18	0.22	0.54	0.8	0.42	0.73	
Time preference parameters [‡]								
β			0.9899	0.9849	0.9573	0.9876	0.9636	
∇				0.0094	0.0206	0.0060	0.0133	

Notes: Annual MPC is calculated by $1 - (1 - \text{quarterly MPC})^4$. [‡]: Discount factors are uniformly distributed over the interval $[\beta - \nabla, \beta + \nabla]$.

Table 4 Proportion of Wealth Held by Percentile (in Percent)

	Net Worth	Liquid Financial and Retirement Assets
Top 1%	33.9	34.6
Top 10%	69.7	75.3
Top 20%	82.9	88.3
Top 40%	94.7	97.5
Top 60%	99.0	99.6
Top 80%	100.2	100.0

Notes: The data source is the 2004 Survey of Consumer Finances.

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