Change of address



Return by mail: Putnam Investments PO Box 219697 Kansas City, MO 64121-9697

Section 1 Account information

Return by express delivery: Putnam Investments 430 W 7th Street Suite 219697 Kansas City, MO 64105-1407 For more information: Putnam Investments 1-800-225-1581 www.putnam.com



Complete this form to change your address. All accounts associated with the Social Security or Tax Identification number(s) provided will be updated to your new address. If you wish to update specific accounts only, please complete section 1A. Please note that redemptions requested by telephone will be restricted for 15 days following an address change.

Name of owner/custodian/trustee/entity	Social Security or Tax Identification number Date of birth (mm/dd/yyyy)
Name of current joint owner/minor/co-trustee/authorized party	Social Security or Tax Identification number Date of birth (mm/dd/yyyy)
Section 1A Please check here if you do not wish to update all accounts address below.	es for your household. Please list the Putnam account numbers to be updated to your new
Fund number Account number	Fund number Account number
City	State ZiIP code
Contact phone number E-mail address	
	ove will replace the current contact information on file with Putnam (if applicable). No changed in electronic delivery, all notifications will be sent to the e-mail address listed above.
Section 3 Authorization	
□ Please check here to request investment stubs for all Please check here to request a new checkwriting checavailable for fund)	my accounts eckbook (owner must have existing checkwriting privileges and checkwriting must be
Electronic delivery of account documents	
\square I want to " \underline{Go} Green" and reduce paper, printing and m	nailing by receiving documents electronically.
allow you to choose your eDelivery options. Documents available annual fund reports, proxy statements, and tax forms. When a ne	the e-mail address provided above with a link to Putnam's secure Investor Website, which will be for eDelivery include transaction confirmations, quarterly statements, prospectuses, annual/serew document is available, instead of sending the document to you by U.S. mail, Putnam Investors available via Putnam's website. Terms and Conditions related to eDelivery will be provided to you

Section 4 Authorization

	of address information indicated in Se	ction 2.				
Signature of owner/custodian/trustee/authorized party			Signature of joint owner/co-trustee/authorized party (if applicable)			
Print name of signature above			Print name of signature above			
Date (mm/dd/yyyy)			Date (mm/dd/yyyy)			
Signature Validation Pr	rrently restricted due to an undeliver rogram (SVP) stamp, which can be o ons by a financial institution that indic	btained at an investr	ment dealer or bank, mi	ust be provided. An SVP stamp is a s		
• • • •	PLACE SVP STAMP BELOW	• • • •	• • • •	PLACE SVP STAMP BELOW	0 0 0 0	