

# **Putnam** IRA

# TRADITIONAL | ROTH

How to get started.
Work with your financial representative to:
1. Choose the type of IRA that's right for you
2. Fill out the appropriate forms
3. Review and select your investment options
4. Send the completed forms to Putnam
If you are Use these forms
Enclosing a check to open a new:
Enclosing a check to open a new:  Putnam Traditional IRA or Roth IRA
-
Putnam Traditional IRA or Roth IRA

# Traditional or Roth IRA adoption agreement





#### Return by mail:

Putnam Investments PO Box 219697 Kansas City, MO 64121-9697

#### Return by express delivery:

Putnam Investments 430 W 7th Street Suite 219697 Kansas City, MO 64105-1407

# For more information: Putnam Investments

Putnam Investments 1-800-225-1581 www.putnam.com

#### Please make checks payable to

Putnam Fiduciary Trust Company, LLC



Use this form to open a new Putnam Traditional IRA or Putnam Roth IRA.

Section 1 Plant	ype				
Select the account type you	want to es	tablish. Please complete a	a separate Tra	ditional or Roth IRA adoption agreemen	t to establish additional plan types.
☐ Traditional IRA	□ Roth IR	A ☐ Traditional	IRA for a mino	or	
Section 2 Comp	lete y	our account ow	ner info	ormation	
Name of account owner					
First	MI	Last	Suffix	Social security number (required)	Date of birth (mm/dd/yyyy; required)
Name of parent/guardian (re	equired on	ly if you are opening an IRA	for a minor)		
First	MI	Last	Suffix	Social security number (required)	Date of birth (mm/dd/yyyy; required)
Contact phone number		E-mail address			
By checking the "Go Green" you to choose your eDeliver fund reports, proxy stateme	nd reduce box above y options. I nts, and ta ion that th	paper, printing and mai , an e-mail will be sent to t Documents available for e x forms. When a new docu	he e-mail add Delivery inclui Iment is availa	de transaction confirmations, quarterly sable, instead of sending the document to	am's secure Investor website, which will allow statements, prospectuses, annual/semiannual byou by U.S. mail, Putnam Investor Services will ed to eDelivery will be provided to you prior to
Mailing address (required)					
Street					
City				State ZIP code	
Residential address (Requi	red if maili	ng address is a P.O. Box o	r c/o address)		<u>'</u>
Street			,		
City				State ZIP code	2

Se	ectic	n 3 Investment instructions
Plea	ase in	icate how you wish to fund your IRA. Select all that apply. Putnam will invest contributions as current year unless otherwise specified in Section 4.
	A ch	eck is enclosed / 🗆 A check is en route (make checks payable to Putnam Fiduciary Trust Company, LLC)
		Invest as a contribution to my IRA
		Invest as a rollover or a transfer of assets from an account that was held at another financial institution (You must indicate the type of plan held with your previous custodian)
		□ Traditional IRA □ Rollover IRA □ Roth IRA □ Roth IRA Conversion
		$\square$ SEP/SIMPLE IRA $\square$ Roth 401(k)/403(b) $\square$ 401(k) $\square$ 403(b)
		□ Other qualified company plan (Government 457, Money Purchase Pension, Profit Sharing)
	Alte	native investment instructions
		Solicit my current trustee (please attach an Asset transfer/direct rollover authorization form, IR771/Form B)
		Fund my IRA with a purchase from my existing non-retirement account (Investments will be made into the same share class as previously held. Some restrictions may apply.)
		Fund number Account number Dollar amount
		Fund my IRA with a purchase from an existing Putnam retirement account due to divorce (contact Putnam for additional requirements)
		Convert from a Putnam IRA to a Putnam Roth IRA (a Roth conversion authorization form is required)
		Draft a one-time debit from my checking or savings account for (limit of \$200,000 per fund-account):
	Ċ	
	7	(indicate investment elections in Section 4 and bank account information in Section 6)
	Not	: The one-time debit will be initiated on the date the account is established.
		Draft systematic investments from my checking or savings account (complete Section 6)
Se	ctic	n 4 Select your funds
cor	espoi	the Putnam Fund Guide (https://www.putnam.com/literature/pdf/FM103.pdf) to select your investment. You must enter the fund name and number for the fund share class you wish to establish. For additional fund elections, please attach a separate sheet of paper with fund number, fund name, dollar amount e, and contribution year.
•	For Mar	ew investments made to Putnam: If no class of shares is indicated, class A shares will be purchased and any unallocated assets will be invested into Mone et A.
•		ssets moved from an existing Putnam registration: Fund allocations will remain consistent with the originating Putnam account(s) unless otherwise ated. In addition, the share class must remain consistent with the originating Putnam account(s).
		year and current year contributions are permitted. If no contribution year is indicated, all contributions will always be coded for the current year in which

Fund number	Fund name	Dollar amount	Percentage	Contribution year
		\$	or	
		\$	or	
		\$	or0/0	)
		\$	or	
		\$	or	
			100%	

## Section 5 Designate your beneficiary(ies)

Complete Sections 5A and 5B to designate primary and contingent beneficiaries respectively for assets payable upon your death. To update beneficiaries on existing accounts, please use the IRA/403(b) beneficiary designation form.

For each beneficiary, Putnam Fiduciary Trust Company, LLC (PFTC) requires the full name, tax identification number, and date of birth. If you name multiple primary or contingent beneficiaries, please specify the percentage each is to receive. If no percentage is specified, your account will be divided among your surviving primary beneficiaries in substantially equal amounts. If no primary beneficiaries survive you, your account will be divided among your surviving contingent beneficiaries. If none of your designated beneficiaries survive you, your account will be distributed according to the provisions of the IRA plan and disclosure statement.

#### Important:

- PFTC does not accept customized beneficiary designations (for example, designations which involve multiple contingencies within a primary or contingent beneficiary category) or "per stirpes" designations. All beneficiaries must be designated as either primary or contingent and must include all identifying information referenced above. PFTC generally cannot accept beneficiary designations from attorneys-in-fact, conservators, or guardians. PFTC will not accept beneficiary designations from a parent/guardian on the minor's behalf. If the designated beneficiaries are not accepted by PFTC the provisions of the IRA plan disclosure statement will be in effect.
- Do not list both primary and contingent beneficiary designations on the same page. If you wish to designate more than four primary beneficiaries and/or more than four contingent beneficiaries, you must include a separate sheet of paper with the additional designation. The separate sheet of paper must be signed, dated, indicate whether the designation is for a primary or contingent beneficiary, and include all required beneficiary information (full name, Social Security/Tax ID number, date of birth/date of trust, and allocated percentage).

Section 5A - Primary beneficiary(ies)	
Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required)	Relationship Percentage
	□ Spouse □ Other □ Entity/Trust □ □ □
Social Security/Tax ID number (required)  Date of birth (mm/dd/yyyy; r	equired for an individual)  Date of trust (mm/dd/yyyy; required for a trust)
Residential address (street, city, state, ZIP code)	
Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required)	Relationship Percentage
	☐ Spouse ☐ Other ☐ Entity/Trust
Social Security/Tax ID number (required)  Date of birth (mm/dd/yyyy, r	equired for an individual)  Date of trust (mm/dd/yyyy; required for a trust)
Residential address (street, city, state, ZIP code)	
Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required)	Relationship Percentage
	□ Spouse □ Other □ Entity/Trust □ □ □
Social Security/Tax ID number (required)  Date of birth (mm/dd/yyyy, r	equired for an individual)  Date of trust (mm/dd/yyyy; required for a trust)
Residential address (street, city, state, ZIP code)	
Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required)	Relationship Percentage
	□ Spouse □ Other □ Entity/Trust □ □ □
Social Security/Tax ID number (required)  Date of birth (mm/dd/yyyy; r	equired for an individual)  Date of trust (mm/dd/yyyy; required for a trust)
Residential address (street, city, state, ZIP code)	

Total primary allocations must equal 100%

10000%

#### Section 5 Designate your beneficiary(ies) (continued) Section 5B - Contingent beneficiary(ies) Percentages for contingent beneficiaries must equal 100%. Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required) Relationship Percentage ☐ Other ☐ Spouse ☐ Entity/Trust Social Security/Tax ID number (required) Date of birth (mm/dd/yyyy; required for an individual) Date of trust (mm/dd/yyyy; required for a trust) Residential address (street, city, state, ZIP code) Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required) Percentage Relationship ☐ Spouse □ Other ☐ Entity/Trust Social Security/Tax ID number (required) Date of birth (mm/dd/yyyy; required for an individual) Date of trust (mm/dd/yyyy; required for a trust) Residential address (street, city, state, ZIP code) Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required) Relationship Percentage □ Spouse ☐ Other ☐ Entity/Trust Social Security/Tax ID number (required) Date of birth (mm/dd/yyyy; required for an individual) Date of trust (mm/dd/yyyy; required for a trust) Residential address (street, city, state, ZIP code) Name of individual (First, MI, Last, Suffix)/Full name of entity/trust (required) Percentage Relationship ☐ Spouse ☐ Other ☐ Entity/Trust Social Security/Tax ID number (required) Date of birth (mm/dd/yyyy; required for an individual) Date of trust (mm/dd/yyyy; required for a trust) Residential address (street, city, state, ZIP code) 10000% Total contingent allocations must equal 100% Section 5C - Signature of IRA owner's spouse (if applicable) If you are married to the IRA owner and they have designated a beneficiary(ies) other than you, please consult your financial representative about the state law and tax law implications of this beneficiary designation, including the need for your consent. By signing below you indicate that you are the spouse of the individual named in Section 2 and that you consent to the designated beneficiary(ies). PFTC is not responsible for determining whether an account owner is married and is a resident of a jurisdiction in which community property rules apply. Signature of spouse Current date (mm/dd/yyyy)

Print name of signature above

#### Section 6 Select your account features (if applicable)

Section 6A - Bank account information (You must provide a voided check or deposit slip; please do not staple)

Note: Starter checks, brokerage checks, and checkwriting checks will not be accepted.

Please provide your bank information below to purchase shares by phone, web, or systematic investment plan. All individuals named on the bank account registration must authorize the use of the bank account to purchase shares by signing in Section 8. If you wish to add telephone redemption options via Federal bank wire and/or ACH to a bank within the United States, please complete Putnam's Add or change bank account information form with the applicable signature authentication stamp.

Attach a preprinted or web-generated voided check/deposit slip or a signed letter from the bank on bank letterhead below. Each of these documents must include: bank name, name(s) as registered on the bank account, routing number and account number.

	Name Address City, State, ZIP			•	<b>O</b>	ATE		_		
	PAY TO THE ORDER OF		. (	1	V	\$	DOLLA			
	memo:	•	1,				55227.11	_		
	: 123456789	: 000	0123456789	: 10	)1					
ABA routii	ing number			Bani	account numbe	r				
e(s) of all b	bank account owner(s)									
an CD C	ystematic investment									
										fund number, f
r amount, ematic inv tment dat ness day. If	, frequency and date for restments will always be te. If no date is selected f the investment date fa end or holiday then the	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh s the draft Is on a wee	are class se from your l kend or a h	lected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
r amount, ematic inv stment dat ness day. It on a week	, frequency and date for restments will always be te. If no date is selected f the investment date fa	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh s the draft Is on a wee	are class se from your l kend or a h	lected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
r amount, ematic inv tment dat ess day. It on a week 1: Investi	, frequency and date for vestments will always be te. If no date is selected f the investment date fa end or holiday then the	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh s the draft Is on a wee	are class se from your l ekend or a h t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
r amount, ematic inv tment dat ess day. It on a week 1: Investi	, frequency and date for restments will always be te. If no date is selected f the investment date fa end or holiday then the ment allocation	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh is the draft Is on a wee n (29th-31s	are class se from your l ekend or a h t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
ematic investing amount, ematic investment dat ness day. If on a week	, frequency and date for restments will always be te. If no date is selected f the investment date fa end or holiday then the ment allocation	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh is the draft Is on a wee n (29th-31s	are class se from your l ekend or a h t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
ematic investing a mount, ematic involved and the series of the series o	, frequency and date for restments will always be te. If no date is selected f the investment date fa end or holiday then the ment allocation	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh is the draft Is on a wee n (29th-31s	are class se from your l ekend or a h t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
ematic investing a mount, a matic investment dat ness day. It on a week of a linvesting a mount of a mount, of a mount of a mount, of a mount of	, frequency and date for restments will always be te. If no date is selected f the investment date fa end or holiday then the ment allocation	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh is the draft Is on a wee n (29th-31s	are class se from your l ekend or a h t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
rramount, ematic inv stment dat ness day. It on a week 1: Investi	, frequency and date for restments will always be te. If no date is selected if the investment date far end or holiday then the ment allocation  Fund name	your investme coded for the Putnam will of the list on a date to	ents below. Inve e current contrib default to the 15 hat does not occ	stments wi ution year) th. If the inv cur within a	ll be made into tl . Putnam reques estment date fal particular montl	ne same sh is the draft Is on a wee n (29th-31s	are class se from your l ekend or a h t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
r amount, ematic inv tment dat ness day. It on a week  1: Investi number	, frequency and date for restments will always be te. If no date is selected f the investment date fa end or holiday then the ment allocation	your investme e coded for the Putnam will o lls on a date t investment w	ents below. Inve e current contrib default to the 15i hat does not occ vill be made the r	stments wi ution year) th. If the inv cur within a next busine	Il be made into ti . Putnam reques restment date fal particular monti ss day.	ne same sh is the draft Is on a wee n (29th-31s	are class se from your l ekend or a h t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
ar amount, ematic inv stment dat ness day. It on a week a 1: Investi d number	n frequency and date for restments will always be te. If no date is selected if the investment date far end or holiday then the ment allocation  Fund name	e coded for the Putnam will o Ils on a date ti investment w	ents below. Inve e current contrib default to the 15i hat does not occ vill be made the r	stments wi ution year) th. If the inv cur within a next busine	Il be made into ti Putnam reques estment date fal particular month ss day.	ne same sh s the draft ls on a wee n (29th-31s	are class se from your l ekend or a l t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
ar amount, tematic investment dat iness day. It on a week p 1: Investid number	frequency and date for restments will always be te. If no date is selected if the investment date far end or holiday then the ment allocation  Fund name	e coded for the Putnam will of Ils on a date the Investment will of Ils on a date the Investment will of Ils on a date the Investment will default to onter investme	ents below. Inve e current contrib default to the 15i hat does not occ vill be made the r	stments wi ution year) th. If the inv cur within a next busine	Il be made into the Putnam requestestment date fall particular months saday.	ne same shes the draft ls on a wee n (29th-31s Dollar ar	are class se from your l ekend or a l t), the inves	elected in S bank accou oliday, the	Section 4 unle unt on the bus investment v	ss otherwise ind siness day prior will be made the
ar amount, tematic investment dat iness day. It on a week p 1: Investid number	n frequency and date for vestments will always be te. If no date is selected if the investment date far end or holiday then the ment allocation  Fund name  Infrequency  Jency below. Putnam we linvest every month (e	ill default to onter investment was a way of the condess of the co	ents below. Inve e current contrib default to the 15i hat does not occ vill be made the r ince per month if ent date(s) below	stments wi ution year) th. If the inv cur within a next busine f no option ) or lnv July ld	Il be made into til. Putnam requesivestment date fall particular months s day.  is selected: est only in the machinal investment	ne same shes the draft Is on a wee In (29th-31s  Dollar an  Donth(s) cho  Oct  date(s) wi	are class se from your lekend or a le the invest mount  seen below:  Nov thin each m	elected in Spank accounciliday, the temperature will be a considerable with the considerable with the constant and the consta	Section 4 unle unt on the bus investment v be made the	ss otherwise ind siness day prior will be made the
ar amount, tematic investment dat iness day. It on a week p 1: Investid number	n frequency and date for vestments will always be te. If no date is selected if the investment date far end or holiday then the ment allocation  Fund name  Infrequency  Jency below. Putnam we linvest every month (e	e coded for the Putnam will of Ils on a date the Investment will of Ils on a date the Investment will of Ils on a date the Investment will default to onter investme	ents below. Inve e current contrib default to the 15i hat does not occ vill be made the r ince per month if ent date(s) below	stments wi ution year) th. If the inv cur within a next busine	Il be made into til. Putnam requesivestment date fall particular months s day.  is selected: est only in the machinal investment	ne same shes the draft Is on a wee In (29th-31s  Dollar are	are class se from your lekend or a le the invest mount  seen below:  Nov thin each m	elected in Spank accounciliday, the temperature will	Section 4 unle unt on the bus investment v be made the	ss otherwise ind siness day prior will be made the

#### Section 6 Select your account features (if applicable) (continued)

#### Section 6C - Reduced sales charge

If you already own shares of another Putnam fund, or if you agree to invest a certain amount, you may be able to reduce the sales charge you pay. Shares that have not been assessed a sales charge will not count towards your Cumulative Discount or Letter of Intent. This includes commissionable shares of the Putnam Money Market Fund, the Putnam Government Money Market Fund, and the Ultra Short Duration Income Fund, as well as closed end funds and Putnam class Y shares.

# CUMULATIVE DISCOUNT

To qualify for sales charge discounts on class A and M shares, list the account number(s) of other Putnam fund(s) that you or your family (spouse and/or children under age 21) own.

F	Fund n	uml	oer		Ac	COUI	nt nı	ımb	er			
ĺ												
L												
i												
				-								

#### LETTER OF INTENT

By checking an amount below, I agree to the terms and conditions for a Letter of Intent as set forth in the Statement of Additional Information (including the escrowing of shares). Although I am not obligated to complete a Letter of Intent, I plan to invest in one or more Putnam funds over a 13-month period an aggregate amount equal to at least the amount of the box checked below. I am aware that if I do not invest at least this amount over a 13-month period any purchases made pursuant to this Letter of Intent will be adjusted to the commission rate that otherwise would apply.

\$50,000	\$100,000	\$250,00
\$500,000	\$1,000,000	

## Section 7 Financial intermediary information

Please use this section to designate financial intermediary and financial representative information on your Putnam account. A financial intermediary is the broker-dealer, bank, or other financial institution through which you purchase shares of the Putnam Funds. The financial representative is the person associated with the financial intermediary who is assisting you with your investments. You may designate a financial intermediary at any time by returning a signed Financial intermediary change request to Putnam Investor Services. Putnam Retail Management Limited Partnership (PRM) will be designated as the default broker-dealer of record on your account(s) and will retain all applicable sales charges if any of the following apply:

- You do not designate a financial intermediary below.
- The financial intermediary you designate does not have a selling agreement with PRM.

Please note that PRM is not a full service broker-dealer and does not provide investment advice. As default broker-dealer, PRM cannot assist you with financial planning or provide recommendations, services that are provided by a financial intermediary. If you wish to receive such services, you must designate a financial intermediary.

Note: Please refer to https://www.finra.org for assistance in locating the Central Registration Depository (CRD) number for the financial intermediary.

Financial institution ID	Branch office ID	Financial representative IE		CRD number
Financial intermediary				
Financial representative's name exactl	y as it appears on the financial intermedia	ary's registration	Financial rep	presentative's contact phone number
Branch office street address				
City		State	ZIP code	

## Section 8 Traditional or Roth IRA agreement

#### ☐ I do not authorize telephone redemptions. Accept only written instructions signed by me.

Unless I have checked the box above, Putnam Investor Services, Inc. is authorized to act upon redemption instructions received by telephone from me or any other person claiming to act as my representative who can provide Putnam with my account registration and address as it appears on Putnam's records. Redemption proceeds of up to \$100,000 will be sent to me at an address on record with Putnam for at least 15 days. Putnam will not be liable for unauthorized transactions if it employs reasonable procedures to confirm that instructions received by telephone are genuine. I agree to indemnify and hold harmless Putnam Investor Services, Inc. and any Putnam funds that may be involved in transactions authorized by telephone against any claim or loss in connection with any telephone transaction effected on my account.

# I do not authorize the mailing of only one shareholder report, one prospectus, or one set of proxy materials if there are multiple accounts in a Putnam fund at my address. Send a separate copy for every account.

Unless I have checked the box above, Putnam Investor Services, Inc. is authorized to send only one shareholder report, one prospectus, or one set of proxy materials for **all** accounts in any Putnam fund at my address.

Important notice regarding Putnam's privacy policy: By signing this application, I acknowledge that Putnam's privacy policy is available for viewing and printing via Putnam's website at https://www.putnam.com/policies/

If I/we have completed the bank account information in Section 6, I/we authorize my/our bank/credit union to accept debit/credit entries initiated by Putnam Investor Services to my/our account and to debit/credit, as requested, the same to my/our account, without responsibility for correctness thereof or for the existence of any further authorization relating thereto. I/we hereby acknowledge that the initiation of an ACH transaction through Putnam is to purchase securities, and accordingly any transaction requested by me/us through the ACH system is irrevocable. I/we authorize Putnam to make a follow-up attempt in retrieving those monies which are denied due to insufficient funds (i.e. systematic purchase bounce). I/we agree to indemnify and hold harmless my/our bank/credit union, the Putnam funds, and Putnam Investor Services for any loss, liability, or expense incurred from acting on these instructions. I/we also agree to waive any right under the NACHA Rules to rescind any instruction for ACH transactions which have already occurred at the time of the attempt to rescind. This waiver of the rescission right applies to both ACH investments in and ACH redemptions from the Putnam Funds. This authorization may be terminated by me/us at any time by written notification to Putnam Investor Services, with reasonable time given to implement my/our request. Putnam Investor Services may amend or terminate this agreement at any time. You will be notified before any such changes go into effect. For bank account information (Section 6), Putnam does not assess a fee for federal bank wire and/or ACH transactions on your account(s). Some banks/credit unions may not offer ACH transactions or may charge a fee to conduct such transactions. Please check with your financial institution for information regarding eligibility, fees and applicable routing number(s) for federal bank wire and/or ACH transactions

If I have completed a Letter of Intent (LOI) in Section 6, I agree that the minimum initial investment, which will be held in escrow until the full LOI amount is purchased, is 5% of the amount checked. If I invest less than the LOI amount, shares may be redeemed from my account to cover the higher sales charge. If I invest more, the sales charge will only be adjusted when and if my dealer refunds Putnam its portion of the adjustment. I will not receive LOI credit for shares purchased by dividend reinvestment.

If applicable, the Parent/Guardian named in Section 2 represents that they are the parent or legal guardian of the property of the Owner/Minor indicated above. Notwithstanding any provision of the Adoption Agreement or Plan, PFTC may rely on instructions of the Parent/Guardian with respect to the administration, investment and distribution of the Account until the Owner/Minor reaches the age of majority in his or her State of residence. The Parent/Guardian agrees that they shall cease to have any authority or control with respect to the Account upon attainment of the age of majority by the Owner/Minor. Thereafter, the Owner/Minor shall be treated as the Owner for all purposes under the Adoption Agreement and Plan. Notwithstanding the foregoing, the Parent/Guardian agrees that PFTC shall have no responsibility or obligation to determine whether the Owner/Minor has attained the age of majority. Prior to executing any direction or request made by the Parent/Guardian or the Owner/Minor, PFTC may require the Parent/Guardian or the Owner/Minor to demonstrate in a manner satisfactory to PFTC whether the Owner/Minor has attained the age of majority. The Parent/Guardian hereby agrees to indemnify and hold harmless PFTC, Putnam Investor Services, and their respective affiliates, agents, directors, officers, and employees (collectively, "Putnam"), from and against any loss, damage, liability, claim, cost or expense, including legal fees, which Putnam incurs as a result of, or in connection with, any actual or attempted disaffirmance, voiding, reversal, unenforceability, cancellation or limitation of any purchase, exchange, transfer or redemption of assets held in the Account by reason of, or in connection with, the Owner/Minor's status as a minor or the Parent/Guardian's status as a person other than the Owner/Minor's parent or legal guardian. This agreement is binding on the Parent/Guardian and his or her executors, beneficiaries, heirs, administrators, legal representatives and assigns, and will inure to the benefit of

I hereby (I) adopt The Putnam Traditional IRA Plan or The Putnam Roth IRA Plan (the "Plans"), as indicated in Section 1 of this form, as an individual retirement account under Section 408(a) or 408A of the Internal Revenue Code of 1986, as amended; (II) acknowledge receipt of the Plan and Disclosure Statement; (III) have received and have read a current prospectus of any fund; (IV) appoint PFTC as Trustee; (V) acknowledge that the terms in this agreement mean the same as in the Plan; and (VI) agree that an annual maintenance fee of \$25 will automatically be deducted from the account in accordance with Putnam's annual maintenance fee policy for all accounts with a balance below \$50,000 on the day the fee is scheduled to be taken. I also acknowledge that Putnam's annual maintenance fee policy is subject to change. I also certify under the penalties of perjury that the taxpayer identification number (Social Security number) set forth in Section 2 is true, correct, and complete.

In accordance with federal law, the Putnam funds are required to obtain the name, residential or business address, Social Security or tax identification number, and date of birth for each registered owner in order to verify their identities. For certain entities such as trusts, estates, corporations, partnerships, or other organizations, additional documentation may be required (see the following terms and conditions or call Putnam at 1-800-225-1581). The funds are unable to accept new accounts if any required information is not provided. If the funds are unable to verify your identity, your account will be closed at the then-current NAV, which may be more or less than your original investment, and the proceeds will be sent to you, net of any applicable sales charges. With respect to any such distribution, I elect that no amount be withheld for federal income taxes due on the taxable part of any such distribution, and I acknowledge that I can incur penalties if my withholding or estimated tax payments for the year are not sufficient. I further understand that under federal tax law I will have 60 days from date of receipt by me to roll over such distribution to another IRA or eligible plan that will accept it. I will consult my professional tax advisor if I have any questions about the tax consequences of any such distribution.

# Section 8 Traditional or Roth IRA agreement (continued)

By signing below, I certify under penalties of perjury that:

- 1. The number shown on this form is my correct taxpayer identification number
- 2. I am not subject to backup withholding because:
  - a. I am exempt from backup withholding or
  - b. I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends (cross out (b) if you have been notified by the IRS that you are currently subject to backup withholding), or
  - c. The IRS has notified me that I am no longer subject to backup withholding
- 3. I am a U.S. citizen or other U.S. person. For federal tax purposes, you are considered a U.S. person if you are:
  - a. An individual who is a U. S. citizen or a U.S. resident alien
  - b. An estate (other than a foreign estate), or
  - c. A domestic trust (as defined in Treasury Regulation 301.7701-7)
- 4. I am exempt from FATCA reporting

The Internal Revenue Service does not require your consent to any provision of this document other than the certifications required to avoid backup withholding.

The information you provide may be shared with third parties for the purpose of verification subject to the terms of Putn	am's privacy policy.
Signature of owner/parent/guardian/authorized signer ( <b>required</b> )	Current date (mm/dd/yyyy)
Print name of signature above	
Signature of bank account owner(s)	
All individuals named on the bank account registration in Section 6 who did not already sign above as a Putnam account the use of the bank account to purchase shares. By signing below, each bank account owner authorizes purchases to be	
Signature of bank account owner ( <b>required if different from Putnam account owner</b> )	Current date (mm/dd/yyyy)
Print name of signature above	
Signature of bank account owner ( <b>required if different from Putnam account owner</b> )	Current date (mm/dd/yyyy)
Print name of signature above	

#### Asset transfer/direct rollover authorization





Return by mail:

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

Putnam Investments 430 W 7th Street Suite 219697 Kansas City, MO 64105-1407 For more information: Putnam Investments 1-800-662-0019 www.putnam.com Please make checks payable to Putnam Fiduciary Trust Company, LLC



Use this form to initiate an asset transfer or direct rollover of your current IRA or Qualified Retirement Plan to a Putnam IRA. You may also use this form to convert assets held at another institution to a Putnam Roth IRA. If you are establishing a new Putnam IRA, you must also attach the appropriate Putnam adoption agreement. Complete a separate Asset transfer/direct rollover authorization form for each plan you are transfering or directly rolling over.

Important: To update your financial intermediary designation you must complete the Financial intermediary change request form.

C 1 1	C				•	- 1
SACTION I	Complete	VAIIT IRA	accollet	\cdots \c	Intorm:	ation
	Complete	your na	account	OVVIICI	111101111	ation

Name of account owner First	MI	Last	Suffix	Social Security number (required)	Date of birth (mm/dd/yyyy; required)
Contact phone		E-mail address			

**Note:** Providing an e-mail address and/or phone number above will replace the current contact information on file with Putnam (if applicable). No changes will be made for fields that are left blank. If you are enrolled in electronic delivery, all notifications will be sent to the e-mail address listed above.

#### Section 2 Select your funds

Please use the Putnam Fund Guide (https://www.putnam.com/literature/pdf/FM103.pdf) to select your investment. You must enter the fund name and number for the corresponding share class you wish to establish. For additional fund elections, please attach a separate sheet of paper with fund number, fund name, dollar amount or percentage.

- For new investments made to Putnam: If no class of shares is indicated, class A shares will be purchased and any unallocated assets will be invested into Money Market A.
- For assets moved from an existing Putnam registration: Fund allocations will remain consistent with the originating Putnam account(s) unless otherwise indicated. In addition, the share class must remain consistent with the originating Putnam account(s).

Fund number	Account number/Fund name	Dollar amount	Percentage
		\$	or0/0
		\$	or
		\$	or
		\$	or0/0
		\$	or0/o
		\$	or0/o
			100%

# Section 3 Instructions for asset transfer/direct rollover

If you appli	u are establishing a new IRA	plan at	Putnam, you must attac	ch the a	ppropriate IRA	adoption agreemer	nt (Traditional or	ust Company, LLC (PFTC, LLC) serves as Roth IRA adoption agreement, SEP IRA s to Putnam Investments, P.O. Box 2196	account
Note	es:								
	PFTC, LLC cannot accept an to make other arrangements			of stock	k or other marke	etable securities hel	ld in your curren	t plan. Please consult your financial rep	presentative
• \	You cannot move assets into	o/out of	a SIMPLE IRA from/to a	nother p	plan type withir	the first 2 years of	the initial contril	oution to your SIMPLE IRA.	
Sect	tion 3A - To complete ar	ı asset	transfer (make check	payable	e to Putnam Fid	uciary Trust Compa	ny, LLC)		
	iquidate assets and transfer Fransfer assets "in kind" (if p option directs Putnam to tra Fransfer assets upon maturit Indicate the transfer transa	ermitted nsfer all	by the plan and accept assets from plan types/ (month/da	designa y/year).	ated for persona			regarding money market assets). Select	ting this
P	Personal Plans					Company Plans			
Т	Fransfer from:		Transfer to:			Transfer from:		Transfer to:	
	☐ Traditional IRA	$\rightarrow$	Putnam Traditional	IRA		☐ SEP IRA	$\rightarrow$	Putnam SEP IRA	
	☐ Traditional IRA	$\rightarrow$	Putnam SEP IRA			☐ SEP IRA	$\rightarrow$	Putnam Traditional IRA	
	☐ Traditional IRA	$\rightarrow$	Putnam SARSEP IRA			□ SEP IRA	$\rightarrow$	Putnam SIMPLE IRA	
	☐ Traditional IRA	$\rightarrow$	Putnam SIMPLE IRA			☐ SARSEP IRA	$\rightarrow$	Putnam SARSEP IRA	
	☐ Rollover IRA	$\rightarrow$	Putnam Rollover IRA	\		☐ SARSEP IRA	$\rightarrow$	Putnam Traditional IRA	
	☐ Roth IRA	$\rightarrow$	Putnam Roth IRA			☐ SARSEP IRA	$\rightarrow$	Putnam SIMPLE IRA	
	Roth IRA Conversion	$\rightarrow$	Putnam Roth IRA Co	nversio	n	☐ SIMPLE IRA	$\rightarrow$	Putnam SIMPLE IRA	
						☐ SIMPLE IRA	$\rightarrow$	Putnam Traditional IRA	
						☐ SIMPLE IRA	$\rightarrow$	Putnam SEP IRA	
						☐ SIMPLE IRA	$\rightarrow$	Putnam SARSEP IRA	
balar will c curre RMD 12/3:	nce of the transferred funds default to using the dollar ar ent year. Any scheduled RMI	for calci nount o D payme remainir	ulation of the required r f the check received. Pu ents which remain to be ng distribution dates in	ninimui tnam w taken v the curr	m distribution (I vill increase the will reflect the ir rent year, they n	RMD) amount. If the 12/31 balance of th acreased calculation	e 12/31 prior yea ne account to cal n amount. If the	, please provide the 12/31 prior year ac r account balance cannot be determine culate the additional RMD obligation fo account owner does not have an activ applicable RMD payments. Please note	ed, Putnam or the e systematio
Trus	t Company, LLC)  Liquidate assets from my Tro  Liquidate assets from my co  4B is <b>required</b> for 403(b) pla	aditiona mpany r ns.	l, Rollover, or SIMPLE IRA etirement plan and mai	at ano	ther institution t eds by check. Ple	o a Putnam Roth IR. Pase verify if your en	A Conversion and nployer/trustee r	equires their own form and/or authoriza	·
	ndicate the rollover transa	ction fr	om your qualified reti	rement		to initiate from th	ie options belov	V:	
	Rollover from: ☐ Qualified Retirement Pla	an.		$\rightarrow$	Rollover to: Putnam Rollo	ver IRA	_		
'	(401(a), 401(k), 403(b), 6		ent 457, MPP, PRO)		i dulalli NOIIO	ver iiva			
I	Qualified Retirement Pla (401(a), 401(k), 403(b), 6		ent 457, MPP, PRO)	$\rightarrow$		IRA Conversion			
I	Qualified Retirement Pla (401(a), 401(k), 403(b), G		ent 457, MPP, PRO)	$\rightarrow$	Putnam SIMP	LE IRA			
	Roth 401(k) or Roth 403(	h)		$\rightarrow$	Putnam Roth	IRA			

**Note:** A Roth IRA Conversion will be reported to the Internal Revenue Service by your current custodian or trustee.

# Section 3 Instructions for asset transfer/direct rollover (continued)

# 

**Important:** You **must** include a statement from your current trustee/custodian. Please consult with you present trustee/custodian to see if there are any forms or fees associated with transferring your funds. If fees are required this may delay your request.

#### Section 4 Authorization

A signature guarantee or medallion guarantee may be required by your present trustee or custodian in order to complete your request. A signature guarantee or medallion guarantee is a stamped assurance by a financial institution that indicates a signature is valid and has the financial backing of the institution. The guaranteed stamp should not be dated. If a signature guarantee or medallion guarantee is dated, it is only valid for that date.

My signature below indicates that if I am designating an investment in a fund that I do not already own I have read the fund prospectus(es) and agree to the terms therein.

Section 4A - Owner authorization (Please consult with your present trustee or custodian if they require a signature/medallion guarantee stamp and if there are any forms or fees associated with transferring your funds)

Signature of account owner or authorized party ( <b>required</b> )	PLACE SIGNATURE/MEDALLIC	ON GUARANTEE STAMP BELOW
Print name of signature above		
Current date (mm/dd/yyyy)		
	•	• • • •
<b>Section 4B - Employer authorization</b> (Your employer may require their tional requirements. Attach any required plan distribution form signed by you forms may be required.)		
Signature of plan sponsor or authorized signer (if applicable)	PLACE SIGNATURE/MEDALLIC	ON GUARANTEE STAMP BELOW
Print name of signature above		-
Current date (mm/dd/yyyy)		

# Roth IRA conversion authorization of for existing Putnam IRAs



Return by mail:

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

Putnam Investments 430 W 7th Street Suite 219697 Kansas City, MO 64105-1407 For more information: Putnam Investments

Putnam Investment 1-800-662-0019 www.putnam.com



Use this form to convert from an existing Putnam Traditional IRA, IRA Rollover, SIMPLE IRA, SEP IRA or SARSEP to a Putnam Roth IRA. A conversion from an IRA to a Roth IRA will trigger a taxable event that will be reported to the Internal Revenue Service. Consult your tax advisor if you have any questions.

If you are establishing a new Putnam Roth IRA, you must also attach a completed Putnam Traditional or Roth IRA adoption agreement. If you already maintain a contributory Putnam Roth IRA, you do not need to complete a new Traditional or Roth IRA adoption agreement; however, Roth IRA conversion accounts will be established.

If you wish to establish a new Putnam Traditional IRA with a contribution and then immediately convert that amount to a Roth IRA conversion account, please submit a Consolidated IRA and Roth Conversion application.

**Note:** Roth conversion restrictions apply for class B investments. Please contact Putnam Investor Services or your financial representative for additional information.

#### Section 1 Complete your IRA account owner information Name of account owner MI Suffix Social security number (required) Date of birth (mm/dd/yyyy; required) First Last Contact phone E-mail address Note: Providing an e-mail address and/or phone number above will replace the current contact information on file with Putnam (if applicable). No changes will be made for fields that are left blank. If you are enrolled in electronic delivery, all notifications will be sent to the e-mail address listed above. Section 2 **Convert <u>from</u>** Please indicate the dollar amount or percentage to convert from each applicable account. If both a dollar amount and percentage are provided, Putnam will default to converting by percentage. Fund name Fund number Account number Dollar amount Percentage or or or Please stop the existing systematic investment on the account(s) listed above. Section 3 Convert to Indicate the fund(s) into which the amount(s) listed in Section 2 should be transferred upon conversion by selecting from the options below. If no option is selected Putnam will default to transferring the assets in kind. Please note that a **Roth IRA Adoption Agreement is required** if a Roth IRA or Roth Conversion registration does not already exist. Please convert the indicated amount(s) from the IRA into the same fund(s) of the Roth Conversion (transfer in kind). Please convert the indicated amount(s) from the IRA into the Roth Conversion based on the allocations below. If you are establishing a new fund please indicate the fund name and number which can be found in the Putnam Fund Guide (https://www.putnam.com/literature/pdf/FM103.pdf). The share class of the Roth Conversion must remain consistent with the share class of the IRA. Fund name Fund number Account number Dollar amount Percentage or

or

or

## Section 4 Income tax withholding Federal income taxes By submitting this form, I am electing that no amount converted from my existing Putnam IRA to a Putnam Roth IRA be withheld for federal income tax, except as provided below (any federal withholding requested below will be taken from the amounts listed in Section 2): . % of the distribution(s) from my Putnam IRA account(s) for federal income tax. I understand that I am still liable for any federal income taxes due on the taxable part of my conversion distribution, and I could incur penalties if my withholding or estimated tax payments for the year are not enough. State income taxes Putnam will withhold state income taxes if your address of record is in one of the following states: AR, CA, CT\*, DE, IA, KS, MA, ME, MI\*, MN\*, NC, OK, OR, VT or the District of Columbia (DC)\*\* and federal income tax is being withheld. State tax withholding requirements vary by state. Any required state/local withholding will be taken from the amounts listed in Section 2. \*Residents of CT, MI, or MN will have state income taxes withheld regardless of federal income tax withholding. To opt out of CT, MI, or MN state income taxes, the appropriate state specific form must be submitted with this Roth conversion request or already on file with Putnam. \*\*Residents of DC will have local income taxes withheld on 100% distributions regardless of federal income tax withholding. Note: Whether or not you elect to have federal and, if applicable, state tax withholding apply, you are responsible for the full payment of federal income tax, any state or local taxes, and any penalties that may apply to your Roth conversion. You may be responsible for estimated tax payments and could incur penalties if your estimated tax payments are not sufficient. Section 5 Authorization

This authorization instructs Putnam Fiduciary Trust Company, LLC to convert the indicated amounts of my Putnam IRA to a Putnam Roth IRA, which I have adopted. I acknowledge that this transaction will trigger a taxable event that will be reported to the Internal Revenue Service. I also acknowledge that any contingent deferred sales charge (CDSC) associated with any shares transferred will be transferred pro rata to the new Putnam Roth IRA. I understand that

converting from a Putnam IRA to a Putnam Roth IRA will create an account called a Roth IRA Conversion, even if a Roth IRA account already exists for the fund

My signature below indicates that if I am designating an investment in a fund that I do not already own I have read the fund prospectus(es) and agree to the terms therein. Signature of Owner (required) Current date (mm/dd/yyyy)

Print name of signature above