

Putnam High Yield Fund

Summary prospectus

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IMPORTANT NOTICE: Delivery of paper fund reports

In accordance with regulations adopted by the Securities and Exchange Commission, beginning on January 1, 2021, the fund's annual and semiannual reports will no longer be sent by mail unless you specifically request it. Instead, they will be on Putnam's website, and you will be notified by mail whenever a new one is available, and provided with a website link to access the report.

If you wish to stop receiving paper reports sooner, or if you wish to continue to receive paper reports free of charge after January 1, 2021, please see the back cover or insert for instructions. If you invest through a bank or broker, your choice will apply to all funds held in your account. If you invest directly with Putnam, your choice will apply to all Putnam funds in your account.

If you already receive these reports electronically, no action is required.

FUND SYMBOLS	CLASS A	CLASS B	CLASS C	CLASS M	CLASS R	CLASS R6	CLASS Y
	PHYIX	PHYBX	PHYLX	PHYMX	PFJAX	PHYUX	PHAYX

Putnam Diversified Income Trust

Summary Prospectus dated January 30, 2019

Putnam High Yield Fund

Summary Prospectus dated March 30, 2019

Putnam Income Fund

Summary Prospectus dated February 28, 2019

Class M shares of each fund acquired prior to November 25, 2019 (the “Effective Date”) will convert automatically to class A shares on the Effective Date provided that class A shares are available for purchase by residents of the shareholder’s jurisdiction.

Beginning on the Effective Date, class M shares of each fund will only be available for purchase by individuals purchasing shares of the fund from Japanese distributors that have selling agreements with Putnam Retail Management.

Putnam High Yield Fund

Before you invest, you may wish to review the fund's prospectus, which contains more information about the fund and its risks. You may obtain the prospectus and other information about the fund, including the statement of additional information (SAI) and most recent reports to shareholders, at no cost by visiting putnam.com/funddocuments, calling 1-800-225-1581, or e-mailing Putnam at funddocuments@putnam.com.

The fund's prospectus and SAI, both dated 3/30/19, are incorporated by reference into this summary prospectus.

Goal

Putnam High Yield Fund seeks high current income. Capital growth is a secondary goal when consistent with achieving high current income.

Fees and expenses

The following table describes the fees and expenses you may pay if you buy and hold shares of the fund. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$100,000 in class A shares or \$50,000 in class M shares of Putnam funds. More information about these and other discounts is available from your financial advisor and in *How do I buy fund shares?* beginning on page 14 of the fund's prospectus, in the Appendix to the fund's prospectus, and in *How to buy shares* beginning on page II-1 of the fund's statement of additional information (SAI).

Shareholder fees *(fees paid directly from your investment)*

Share class	Maximum sales charge (load) imposed on purchases (as a percentage of offering price)	Maximum deferred sales charge (load) (as a percentage of original purchase price or redemption proceeds, whichever is lower)
Class A	4.00%	1.00%*
Class B	NONE	5.00%**
Class C	NONE	1.00%***
Class M	3.25%	NONE
Class R	NONE	NONE
Class R6	NONE	NONE
Class Y	NONE	NONE

Annual fund operating expenses

(expenses you pay each year as a percentage of the value of your investment)

Share class	Management fees	Distribution and service (12b-1) fees	Other expenses	Total annual fund operating expenses
Class A	0.56%	0.25%	0.22%	1.03%
Class B	0.56%	1.00%	0.22%	1.78%
Class C	0.56%	1.00%	0.22%	1.78%
Class M	0.56%	0.50%	0.22%	1.28%
Class R	0.56%	0.50%	0.22%	1.28%
Class R6	0.56%	N/A	0.11%<	0.67%
Class Y	0.56%	N/A	0.22%	0.78%

* Applies only to certain redemptions of shares bought with no initial sales charge.

** This charge is phased out over six years.

*** This charge is eliminated after one year.

< Other expenses shown for class R6 have been annualized.

Example

The following hypothetical example is intended to help you compare the cost of investing in the fund with the cost of investing in other funds. It assumes that you invest \$10,000 in the fund for the time periods indicated and then, except as indicated, redeem all your shares at the end of those periods. It assumes a 5% return on your investment each year and that the fund's operating expenses remain the same. Your actual costs may be higher or lower.

Share class	1 year	3 years	5 years	10 years
Class A	\$501	\$715	\$946	\$1,609
Class B	\$681	\$860	\$1,164	\$1,897
Class B (no redemption)	\$181	\$560	\$964	\$1,897
Class C	\$281	\$560	\$964	\$2,095
Class C (no redemption)	\$181	\$560	\$964	\$2,095
Class M	\$451	\$718	\$1,004	\$1,820
Class R	\$130	\$406	\$702	\$1,545
Class R6	\$68	\$214	\$373	\$835
Class Y	\$80	\$249	\$433	\$966

Portfolio turnover

The fund pays transaction-related costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher turnover rate may indicate higher transaction costs and may result in higher taxes when the fund's shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or the above example, affect fund performance. The fund's turnover rate in the most recent fiscal year was 33%.

Investments, risks, and performance

Investments

We invest mainly in bonds that are obligations of U.S. companies, are below investment-grade in quality (sometimes referred to as “junk bonds”), and have intermediate- to long-term maturities (three years or longer). Under normal circumstances, we invest at least 80% of the fund’s net assets in securities rated below investment-grade. This policy may be changed only after 60 days’ notice to shareholders.

We may also invest in other debt instruments, including loans. We may consider, among other factors, credit, interest rate and prepayment risks, as well as general market conditions, when deciding whether to buy or sell investments. We may also use derivatives, such as futures, options, certain foreign currency transactions and swap contracts, for both hedging and non-hedging purposes.

Risks

It is important to understand that you can lose money by investing in the fund.

The value of investments in the fund’s portfolio may fall or fail to rise over extended periods of time for a variety of reasons, including general economic, political or financial market conditions, investor sentiment and market perceptions, government actions, geopolitical events or changes, and factors related to a specific issuer, geography, industry or sector. These and other factors may lead to increased volatility and reduced liquidity in the fund’s portfolio holdings. The risks associated with bond investments include interest rate risk, which means the value of the fund’s investments is likely to fall if interest rates rise. Bond investments are also subject to credit risk, which is the risk that the issuer of a bond may default on payment of interest or principal. Interest rate risk is generally greater for longer-term bonds, and credit risk is generally greater for below-investment-grade bonds (a significant part of the fund’s investments, which may be considered speculative).

Our use of derivatives may increase the risks of investing in the fund by increasing investment exposure (which may be considered leverage) or, in the case of many over-the-counter instruments, because of the potential inability to terminate or sell derivatives positions and the potential failure of the other party to the instrument to meet its obligations.

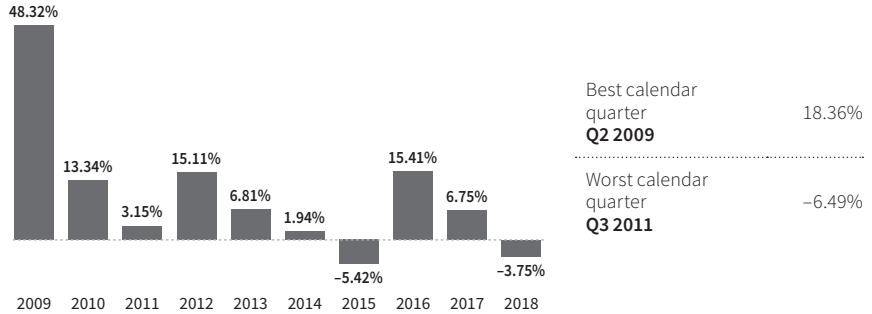
The fund may not achieve its goal, and it is not intended to be a complete investment program. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.

Performance

The performance information below gives some indication of the risks associated with an investment in the fund by showing the fund’s performance year to year and over time. The bar chart does not reflect the impact of sales charges. If it did, performance would be lower. Please remember that past performance is not

necessarily an indication of future results. Monthly performance figures for the fund are available at putnam.com.

Annual total returns for class A shares before sales charges



Average annual total returns after sales charges (for periods ended 12/31/18)

Share class	1 year	5 years	10 years
Class A before taxes	-7.60%	1.88%	8.87%
Class A after taxes on distributions	-9.46%	-0.42%	6.24%
Class A after taxes on distributions and sale of fund shares	-4.46%	0.39%	5.94%
Class B before taxes	-9.00%	1.61%	8.68%
Class C before taxes	-5.50%	1.92%	8.50%
Class M before taxes	-7.25%	1.76%	8.68%
Class R before taxes*	-3.97%	2.44%	9.05%
Class R6 before taxes	-3.98%	2.87%	9.55%
Class Y before taxes	-3.53%	2.96%	9.60%
JPMorgan Developed High Yield Index (no deduction for fees, expenses or taxes)	-2.36%	3.95%	11.45%

* Performance for class R6 shares prior to its inception (5/22/18) is derived from the historical performance of class Y shares and has not been adjusted for the lower investor servicing fees applicable to class R6 shares; had it, returns would have been higher.

After-tax returns reflect the historical highest individual federal marginal income tax rates and do not reflect state and local taxes. Actual after-tax returns depend on an investor's tax situation and may differ from those shown. After-tax returns are shown for class A shares only and will vary for other classes. These after-tax returns do not apply if you hold your fund shares through a 401(k) plan, an IRA, or another tax-advantaged arrangement.

Class B share performance reflects conversion to class A shares after eight years.

Your fund's management

Investment advisor

Putnam Investment Management, LLC

Portfolio managers

Paul Scanlon

Co-Head of Fixed Income, portfolio manager of the fund since 2002

Norman Boucher

Portfolio Manager, portfolio manager of the fund since 2005

Robert Salvin

Portfolio Manager, portfolio manager of the fund since 2005

Sub-advisor

Putnam Investments Limited*

* Though the investment advisor has retained the services of Putnam Investments Limited (PIL), PIL does not currently manage any assets of the fund.

Purchase and sale of fund shares

You can open an account, purchase and/or sell fund shares, or exchange them for shares of another Putnam fund by contacting your financial advisor or by calling Putnam Investor Services at 1-800-225-1581. Purchases of class B shares are closed to new and existing investors except by exchange from class B shares of another Putnam fund or through dividend and/or capital gains reinvestment.

When opening an account, you must complete and mail a Putnam account application, along with a check made payable to the fund, to: Putnam Investments, P.O. Box 219697, Kansas City, MO 64121-9697. The minimum initial investment of \$500 is currently waived, although Putnam reserves the right to reject initial investments under \$500 at its discretion. There is no minimum for subsequent investments.

You can sell your shares back* to the fund or exchange them for shares of another Putnam fund any day the New York Stock Exchange (NYSE) is open. Shares may be sold or exchanged by mail, by phone, or online at putnam.com. Some restrictions may apply.

Tax information

The fund's distributions will be taxed as ordinary income or capital gains unless you hold the shares through a tax-advantaged arrangement, in which case you will generally be taxed only upon withdrawal of monies from the arrangement.

Financial intermediary compensation

If you purchase the fund through a broker/dealer or other financial intermediary (such as a bank or financial advisor), the fund and its related companies may pay that intermediary for the sale of fund shares and related services. Please bear in mind that these payments may create a conflict of interest by influencing the broker/dealer or other intermediary to recommend the fund over another investment. Ask your advisor or visit your advisor's website for more information.

Information about the Summary Prospectus, Prospectus, and SAI

The summary prospectus, prospectus, and SAI for a fund provide information concerning the fund. The summary prospectus, prospectus, and SAI are updated at least annually and any information provided in a summary prospectus, prospectus, or SAI can be changed without a shareholder vote unless specifically stated otherwise. The summary prospectus, prospectus, and the SAI are not contracts between the fund and its shareholders and do not give rise to any contractual rights or obligations or any shareholder rights other than any rights conferred explicitly by federal or state securities laws that may not be waived.

Additional information, including current performance, is available at putnam.com/funddocuments, by calling 1-800-225-1581, or by e-mailing Putnam at funddocuments@putnam.com.

