

HOW TO OPEN AN ACCOUNT WITH BLACKROCK

The purpose of this form is to establish a non-retirement account held directly at BlackRock. You can use this application to establish accounts for several types of entities such as for a bank, foundation, endowment, partnership, insurance company, limited liability company, S-Corporation and C-Corporation accounts, etc. You may also use this application for an outside custodian retirement plan (not custodied or administered by BlackRock).

The following instructions will help you complete this application, however if you have any questions we encourage you to call us for assistance at **1-800-537-4942** or email our team at bosinstitutionalservicecenter@blackrock.com.

Important Notes Regarding this Form:

- ▶ **Minimum initial investments** vary by the share class selected. Please review the Fund's prospectus for minimum investment requirements and eligibility for Institutional and Class K Shares (Class K Shares are not available on every fund).
- ▶ Investor A Shares are generally subject to a front-end sales charge, unless you qualify for purchases at NAV (you must indicate the reason).
- ▶ Not all share classes are available to all investors. If you are not certain if you are eligible to purchase a share class, speak with your Financial Professional, review the Fund's prospectus, or speak with our team.
- ▶ If you select Institutional or Class K Shares and do not qualify, your investment may be rejected.

Additional Documentation

Certain account types may require additional documentation to establish an account, including but not limited to:

- ▶ **Authorized Signers** – recently dated copy of any corporate resolution, by-laws extract, partnership agreement or similar document naming those individuals authorized to act on this account.
- ▶ **Beneficial Ownership** – required to verify information on individuals with 25% or more ownership of a legal entity opening an account. A form is included at the end of this application with details and instructions.

Sections that are required on this application:

- ▶ **Sections 1, 2 and 5 are required** in order to setup a new account at BlackRock.
- ▶ **Section 3 (Investment Dealer)** is required to add any financial advisor on your account.
- ▶ **Section 4** includes service options that, while not required, can be beneficial for your account.

Please note: If you don't see a particular service option or need an additional form to complete your request, you can locate more on our website at www.blackrock.com on our "[Forms & Applications](#)" page, or by calling us at **1-800-537-4942**.

Wiring Instructions:

Bank:	Bank of New York Mellon
ABA Number:	011001234
BNF:	Mutual Fund Services
DDA Number:	0000735345
Account Number:	
Fund Name:	
Registered Name on Account:	

A complete list of our open-end mutual funds is available on our website at www.blackrock.com/funds.


Financial Professionals: Sign In to our "Advisor Center" at blackrock.com/fp for enhanced tools, investment ideas, account access (through [AdvisorCentral](#)®) and more.

- ▶ **Be sure to use the right application!** Business / Institutional clients, foundations and other entities should use this application – IRAs, SIMPLE IRAs, BlackRock CollegeAdvantage 529 and other account types have their own applications.
- ▶ All information provided on each person listed on the account (and certain beneficial owners) will be verified as required by the USA PATRIOT Act.

▶ **Regular mail:**
BlackRock Funds
P.O. Box 9819
Providence, RI 02940

▶ **Overnight mail:**
BlackRock Funds
4400 Computer Drive
Westborough, MA 01581

Fax: (508) 599-1788

 **Questions?** Call us at **1-800-537-4942**, Monday through Friday between 8:00 AM and 6:00 PM ET or email our team at bosinstitutionalservicecenter@blackrock.com.

1a. Registration for the New Account

Please complete this section about the type of account you wish to open, and provide information on anyone that will be listed on your BlackRock account(s). Please note that missing or incorrect information may delay your account opening.

First, tell us which type of account you would like to open:

- Foundation Outside Custodian Retirement Plan S-Corporation C-Corporation Bank
- Endowment Unincorporated Entity Non-Profit Insurance Company
- Partnership Limited Liability Company Other: _____

For Custodial retirement plans, please tell us about the type of plan and the plan sponsor:

- Plan Sponsor:** Public Corporation
- Plan Type:** Defined Benefit Defined Contribution Taft-Hartley

Government Entity and Government Plan Investors

Please indicate whether the investment is in the name of, or for the benefit of, a government entity; or is part of a government entity's participant-directed plan or program such as a 529, 403(b) or 457 plan: Yes No

If yes, provide the name of the government entity, plan or program, and jurisdiction (i.e. City, County, and State) _____ State

Now, please tell us about the Owner(s) of this account:

Please tell us how the account should be registered – the name of the entity. You must list a physical address here, however you can indicate a different mailing address in Section 4D.

Full Account Name

Full Account Name (continued)

Federal tax ID

Street #

Street name

City

State

ZIP Code

Check here to use this as the address on your account

Primary Contacts

Full Name of Contact

Title

Telephone number

Email address

Full Name of Contact

Title

Telephone number

Email address

(Optional): I hereby authorize the following individuals/Account Managers at **BlackRock** to act on my account:

Type/Print name here

Type/Print name here

Type/Print name here

1b. Authorized Signers & Traders

Please type or print the name(s) and title(s) of the authorized signers, traders or those with "Inquiry ONLY" access for this account. Persons signing as representatives for an institutional account represent and warrant that each person signing is an authorized representative, that each person is empowered to effect securities transactions for the account on the terms described in the prospectus, that the account and privileges selected have been duly authorized and that all signatures are genuine.

"Authorized Signers" vs. "Authorized Traders": While Authorized Signers have full authority, an Authorized Trader can perform trades (purchases & redemptions) and obtain account information; any changes to the account (changes to wiring instructions, address, Authorized Signers & Traders, etc.) can only be made by an Authorized Signer. Please indicate the person's authority next to their name.

_____ Full Name of Authorized Signer / Trader	_____ Signature	<input type="checkbox"/> Signer
_____ Title	_____ Date (mm/dd/yyyy)	<input type="checkbox"/> Trader
_____ Full Name of Authorized Signer / Trader	_____ Signature	<input type="checkbox"/> Inquiry ONLY
_____ Title	_____ Date (mm/dd/yyyy)	<input type="checkbox"/> Signer
_____ Full Name of Authorized Signer / Trader	_____ Signature	<input type="checkbox"/> Trader
_____ Title	_____ Date (mm/dd/yyyy)	<input type="checkbox"/> Inquiry ONLY
_____ Full Name of Authorized Signer / Trader	_____ Signature	<input type="checkbox"/> Signer
_____ Title	_____ Date (mm/dd/yyyy)	<input type="checkbox"/> Trader
_____ Full Name of Authorized Signer / Trader	_____ Signature	<input type="checkbox"/> Inquiry ONLY
_____ Title	_____ Date (mm/dd/yyyy)	<input type="checkbox"/> Signer
_____ Full Name of Authorized Signer / Trader	_____ Signature	<input type="checkbox"/> Trader
_____ Title	_____ Date (mm/dd/yyyy)	<input type="checkbox"/> Inquiry ONLY

The Authorized Traders listed above shall remain in effect until such time as we receive an updated list, in writing, from you. The Fund reserves the right to request an updated listing at any time, in order to verify the validity of the list and/or if the Fund believes that the information contained herein becomes out of date or invalid for any reason.

2: Investment Directions

Tell us **how** you would like to invest. First, indicate how you will fund your account by checking the appropriate box:

- Account will be funded by wire
- Please make a purchase by withdrawing funds from my bank listed in “**Bank Instructions**” (in Section 4a)
- Funds will be transferred (or transferred-in-kind) from another account / financial institution.
- A check (payable to “BlackRock”) is included or will follow

Now, please tell us how you wish to have your investment **allocated**. You should consult your Financial Advisor about which investment choices are right for your portfolio. Please read the prospectus for each Fund carefully before investing.

Investor A Shares are generally subject to a front-end sales charge, unless you qualify for purchases at NAV (you must indicate the reason below). If you do not elect a class of shares, your investment will be made in Investor A Shares.

***For Institutional & Class K Shares:** Please review the Fund’s prospectus for more detailed information on minimum investment requirements and eligibility for Institutional and Class K Shares (Class K Shares are not available on every fund). If you select Institutional or Class K Shares and do not qualify, your investment may be rejected.

Note: Ownership of the BlackRock Money Market Fund is restricted to natural persons (defined generally as individual investors) therefore you may not be able to invest in this fund unless the beneficial owner is a natural person, and you may be asked to provide documentation to validate the beneficial ownership.

A complete list of our open-end mutual funds is available on our website at www.blackrock.com/funds.

Now, please tell us how you wish to have your investment **allocated**:

Fund Name	Share Class			Investment Amount	
	A	Inst*	K*		
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	or _____ %
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	or _____ %
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	or _____ %
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	or _____ %
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	or _____ %
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	or _____ %

Total Amount to invest: \$ _____ = 100 %
(Must include an estimated amount)

Purchases at NAV

If you qualify for purchases in Investor A Shares with no upfront sales charge (“NAV”), please indicate the reason here.

- I certify that I qualify for a sales charge waiver for the following reason: _____
 (See the prospectus for available reasons)

3. Investment Dealer

Your Financial Professional will have this information available, and should help complete it and review it for accuracy. Some Investment Dealers have their own internal application process (Principal and / or Financial Professional signature may be needed)

Name of Dealer Firm

Full Name of Financial Professional

Dealer Number

Branch Number

Representative's Number

PO Box # / Street #

Street name

Contact telephone #

City

State

Zip Code

Email address

Optional: BIN (Provided by Financial Professional): _____ Network level: ____

If required by the Investment Dealer firm: I (the above Financial Professional) have complied with my firm's policies and procedures in regards to opening this account.

Signature of Financial Professional

Date (mm/dd/yyyy)

Principal Approval (if required)

4: Account Service Options

a. Bank Instructions

Adding your Bank Instructions to your account will enable purchases and redemptions to/from your bank account via telephone or online. Complete this section below and **attach a bank statement (showing the bank account number & registration)**.

Please Note: If the registration on the bank account does not match the registration of the BlackRock account, a medallion signature guarantee (or similar) stamp may be required. For redemptions, it may take up to 10 days to test the bank instructions with your bank during the "pre-note" period.

Purchases & Redemptions by ACH Yes No

Enables you to make purchases from, or send redemption proceeds to, your checking or savings account. There is no fee for this service.

Wire Redemptions Yes No

Funds may be wired to your bank account via the Federal Reserve. (Your bank may have a different ABA # for wires) There is a fee of \$7.50 (per wire) for this service on Investor A Shares.

Full Name of Bank Account Owner

Name of Bank

Bank Account Owner continued (FBO, FFC etc.)

ABA Routing Number or federal wire number

Account number at your bank

b. Telephone Exchange and Redemption

Your account **will automatically allow redemptions and exchanges via telephone** unless you check the box below. Details about these privileges are available in the Fund's prospectus.

NOTE: Checking the box below will also turn off exchanges & redemptions made via the **internet**.

I do NOT want Telephone Redemption or Exchange

c. Distributions

All dividends and capital gain distributions will be set to REINVEST unless you elect here to pay them in cash to your "**Bank Instructions**" (in Section 4a) by checking the boxes below.

Dividends Capital Gains

To have your distributions sent to another BlackRock fund or by check to your address, please complete our Dividend Allocation Form or call our team for assistance.

STATEMENTS & DUPLICATE STATEMENT OPTIONS

Please select only one: Monthly statements Quarterly statements

Email address for electronic delivery (only one email address allowed)

 **Sign me up for eDelivery!** By adding your email address, we will sign you up for eDelivery of prospectuses (including supplements & amendments), annual-/semi-annual reports & general mailings. For your security, you will need to **Access Your Account online** at [blackrock.com](https://www.blackrock.com) to add quarterly statements, daily confirms and tax forms.

Mailing Address

(Complete ONLY if you want the address on your account to be different from the address given above. BlackRock will send ALL mail to this address, including any redemption by check).

PO Box # / Street # Street name

City State Zip Code

Additional Statement Copies

If you would like duplicate statement copies sent to any address other than the one listed under Section 1, please complete below or attach a separate listing of recipients. Please note: These recipients will not be able to access your account information by phone or online.

Company name Attention to

PO Box # / Street # Street name

City State Zip Code

If you don't see a particular service option or need an additional form to complete your request, you can locate more on our website at www.blackrock.com on our "[Forms & Applications](#)" page, or by calling us at **1-800-537-4942**.

5: Signature(s), Taxpayer ID Certification and Authorization

The Investor understands and agrees that the Funds and its Transfer Agent will not be liable for any loss, cost or expense for acting on instructions (whether in writing or by telephone) believed by the party receiving such instructions to be genuine and in accordance with the prospectus. The Investor understands the investment objectives and policies stated in the prospectus and represents that such shares subscribed for hereby, and any shares of the Funds purchased by such Investor in the future, will be acquired for the Investor's own account and not with a view to, or resale in connection with, any distribution thereof.

By the execution of this Account Application, the undersigned represents and warrants that it has full right, power and authority to make the investment(s) applied for pursuant to this Application and is acting for itself or in some fiduciary capacity in making such investment, and the individual(s) signing on behalf of the undersigned represent and warrant that they are fully authorized to sign the Application and to purchase and redeem Fund shares on behalf of the undersigned. The undersigned affirms that they have received and reviewed a current Prospectus.

Each Fund reserves the right, in its sole discretion, to suspend the offering of shares of the funds or to reject purchase order when, in the judgment of management, such suspension or rejection is in the best interest of the Fund; to modify or waive the minimum initial or subsequent investment for certain investors; and to redeem shares if information provided in this application should prove to be incorrect in any material manner (e.g., in a manner such as to render the shareholder ineligible to purchase shares of the fund). Shares will not be offered or sold in any jurisdiction to any person to whom it would be unlawful to make such offer or sale in such jurisdiction.

To help the U.S. Government fight the funding of terrorism and money laundering activities, Federal law requires all financial institutions to obtain, verify, and record information that identifies persons opening accounts. To comply, BlackRock requires the investor's name, address, date of birth and government-issued identification number (generally, a Social Security Number) and other information that may help identify the investor; and may ask for copies of related documentation and may consult third-party databases to help verify the investor's identity. I have read and I understand the prospectus which explains the risks of opening this account if I do not provide all requested identification materials or if my identity cannot be adequately verified in accordance with U.S. Government requirements.

To the extent permissible by law, the Fund reserves the right to (i) place limits on transactions in any account until the identity of the Investor is verified; (ii) to refuse any investment, or (iii) to involuntarily redeem an Investor's shares and close an account in the event that the Fund is unable to verify an Investor's identity.

State Unclaimed Property Law Disclosure

The assets in your account are subject to state unclaimed property laws which provide that if no activity occurs in your account within the time period specified by the particular state law, your assets must be transferred to the appropriate state. We are required by law to advise you that your assets may be transferred to an appropriate state in compliance with these state laws.

Tax Certification - Under penalties of perjury, I/we certify that:

- ▶ The number shown on this form is the correct taxpayer identification number, and
- ▶ The investor is not subject to backup withholding because the investor: (a) is exempt from backup withholding, or (b) has not been notified by the Internal Revenue Service (IRS) that the Investor is subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified the investor that they are no longer subject to backup withholding, and
- ▶ The applicant is a U.S. person (including a U.S. resident alien) or
- ▶ Alternatively, under penalties of perjury, the applicant certifies that they are subject to withholding. If so, check here
- ▶ The FATCA code(s) entered on this form (if any) indicating the investor is exempt from FATCA reporting is correct.
CODE: _____

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



Signature of authorized signer / trustee / partner, etc.

Title / Capacity (if any)

Date(mm/dd/yyyy)



Signature of authorized signer / trustee / partner, etc.

Title / Capacity (if any)

Date(mm/dd/yyyy)

Privacy Principles of BlackRock Funds

BlackRock is committed to maintaining the privacy of its current and former fund investors and individual clients (collectively, “Clients”) and to safeguarding their nonpublic personal information. The following information is provided to help you understand what personal information BlackRock collects, how we protect that information and why in certain cases we share such information with select parties.

If you are located in a jurisdiction where specific laws, rules or regulations require BlackRock to provide you with additional or different privacy-related rights beyond what is set forth below, then BlackRock will comply with those specific laws, rules or regulations.

BlackRock obtains or verifies personal nonpublic information from and about you from different sources, including the following: (i) information we receive from you or, if applicable, your financial intermediary, on applications, forms or other documents; (ii) information about your transactions with us, our affiliates, or others; (iii) information we receive from a consumer reporting agency; and (iv) from visits to our website.

BlackRock does not sell or disclose to nonaffiliated third parties any nonpublic personal information about its Clients, except as permitted by law, or as is necessary to respond to regulatory requests or to service Client accounts. These nonaffiliated third parties are required to protect the confidentiality and security of this information and to use it only for its intended purpose.

We may share information with our affiliates to service your account or to provide you with information about other BlackRock products or services that may be of interest to you. In addition, BlackRock restricts access to nonpublic personal information about its Clients to those BlackRock employees with a legitimate business need for the information. BlackRock maintains physical, electronic and procedural safeguards that are designed to protect the nonpublic personal information of its Clients, including procedures relating to the proper storage and disposal of such information.



Questions? Call us at **1-800-537-4942**, or visit us online at www.blackrock.com.

Not FDIC Insured | May Lose Value | No Bank Guarantee

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BLACKROCK®

Lit. No. NA-APP-INSTBUS-0418

Beneficial Ownership & Controller Certification Form for Legal Entity Customers Investing in a US BlackRock Mutual Fund

General Instructions

What is this form?

To help the government fight financial crime, Federal regulation requires certain financial institutions to obtain, verify, and record information about the beneficial owners of legal entity customers. The lack of transparency of the ownership control of legal entities can lead to involvement in terrorist financing, money laundering, tax evasion, corruption, fraud, and other financial crimes. Requiring the disclosure of key individuals who own or control a legal entity (i.e., the beneficial owners) helps ensure the transparency of the financial system.

Who has to complete this form?

This form must be completed by the person opening an account with a BlackRock mutual fund in the United States, on behalf of a legal entity.

For the purposes of this form, a **legal entity** includes a corporation, limited liability company, or other entity that is created by a filing of a public document with a Secretary of State or similar office, a general partnership, and any similar business entity formed in the United States or a foreign country. **Legal entity** does not include sole proprietorships, unincorporated associations, or natural persons opening accounts on their own behalf.

Exemptions

At the end of this form you will find a list of exemptions for this rule that may apply to the legal entity. Before completing this form, please review this list and check the appropriate box(es) of any exemption condition(s) that may apply.

What information do I have to provide?

This form requires you to provide the name, main residential address, date of birth and Social Security number (SSN for US persons or passport number or other similar information, in the case of non-U.S. persons) for the following individuals (i.e., the **beneficial owners**):

- ▶ Each individual, if any, who owns, directly or indirectly, 25% or more of the equity interests of the legal entity customer (e.g., each natural person that owns 25% or more of the shares of a corporation); **and**
- ▶ An individual with significant responsibility for managing the legal entity customer (e.g., a Chief Executive Officer, Chief Financial Officer, Chief Operating Officer, Managing Member, General Partner, President, Vice President, or Treasurer).

The number of individuals that satisfy this definition of “beneficial owner” may vary. Under section (i), depending on the factual circumstances, up to four individuals (but as few as zero) may need to be identified. Regardless of the number of individuals identified under section (i), you must provide the identifying information of one individual under section (ii).

It is possible that in some circumstances the same individual might be identified under both sections (e.g., the President of the company who also holds a 30% equity interest). Thus, a completed form will contain the identifying information of at least one individual (under section (ii)), and up to five individuals (i.e., one individual under section (ii) and four 25% equity holders under section (i)).

BlackRock may also ask to see a copy of a driver’s license or other identifying document for each beneficial owner listed on this form.

Certification of Beneficial Owner(s)

Persons opening an account on behalf of a legal entity must provide the following information:

- A) _____
Full name and Title of the natural person opening the account
- B) Name, type, and address of Legal Entity for which the account is being opened:

_____ Full name of Legal Entity _____ Type (corporation, LLC, etc.)

_____ Street # _____ Street name _____ City _____ State _____ ZIP Code _____

- C) The following information for **each** individual, if any, who, directly or indirectly, through any contract, arrangement, understanding, relationship or otherwise, owns 25% or more of the equity interests of the legal entity listed above:

Name	Date of Birth	Address (Residential or Business Street)	For U.S. Persons: Social Security Number	For Non-U.S. Persons: Social Security Number, Passport Number & Country of Issuance, or other similar identification number ¹

(If no individual meets this definition, please write "Not Applicable")

- D) The following information for **one** individual with significant responsibility for managing the legal entity listed above, such as:
- ▶ An Executive officer or senior manager (e.g., a Chief Executive Officer, Chief Financial Officer, Chief Operating Officer, Managing Member, General Partner, President, Vice President, or Treasurer), **OR**
 - ▶ Any other individual who regularly performs similar functions. (If appropriate, an individual listed under section (c) above may be listed in this section (d)).

Name	Date of Birth	Address (Residential or Business Street)	For U.S. Persons: Social Security Number	For Non-U.S. Persons: Social Security Number, Passport Number & Country of Issuance, or other similar identification number ¹

¹ In lieu of a passport number, non-U.S. persons may also provide an alien identification card number, or number and country of issuance of any other government-issued document(s) evidencing nationality or residence and bearing a photograph or similar safeguard.

I, _____ (name of natural person opening the account), hereby certify, to the best of my knowledge, that the information provided above is complete and correct.



Signature

Date (mm/dd/yyyy)

Legal Entity Identifier (if applicable)

Beneficial Ownership for Legal Entity – EXEMPTIONS

If a legal entity for which the account is being opened is exempt from the FinCEN requirements, please place a check next to the FinCEN exemption condition(s) that apply to the entity.

Full name of Legal Entity	Type (corporation, LLC, etc.)
<input type="checkbox"/> ERISA PLANS (U.S.) Only	<input type="checkbox"/> An U.S. insurance company regulated by a State
<input type="checkbox"/> Government Pension Plans (State or Federal)	<input type="checkbox"/> Any entity organized under the laws of the U.S. or of any State at least 51% of whose common stock or analogous equity interests are held by an entity listed on the New York, American, or NASDAQ stock exchanges
<input type="checkbox"/> Non-US Government Pension Plan	<input type="checkbox"/> Entities registered with the SEC under the Securities and Exchange Act of 1934
<input type="checkbox"/> Trust (other than a statutory) (U.S. / Non-U.S.)	<input type="checkbox"/> A non-U.S. governmental department, agency or political subdivision that engages only in governmental rather than commercial activities
<input type="checkbox"/> Pooled Investment Vehicles: A pooled investment vehicle that is operated or advised by a financial institution excluded from the definition of legal entity customer or a pooled investment vehicle including private funds, operated or advised by a U.S. Bank (including a CTF)	<input type="checkbox"/> Registered Exchanges/Electronic Market: issuers of securities registered under Section 12 of the Securities Exchange Act of 1934 or that is required to file reports under 15(d) of that Act
<input type="checkbox"/> Financial institutions regulated by a Federal functional regulator or a bank regulated by a State bank regulator	<input type="checkbox"/> An exchange or clearing agency, as defined in Section 3 of the Securities and Exchange Act of 1934, registered under Section 6 or 17A of that Act
<input type="checkbox"/> U.S. Central Bank (Federal Reserve Bank)	<input type="checkbox"/> A registered entity, commodity pool operator, commodity trading adviser, retail foreign exchange dealer, swap dealer or major swap participant, defined in Section 1a of the Commodity Exchange Act, registered with the Commodity Futures Trading Commission
<input type="checkbox"/> Non-U.S. Central Bank	<input type="checkbox"/> A public accounting firm registered under Section 102 of the Sarbanes-Oxley Act
<input type="checkbox"/> U.S. Government Entities: departments or agencies of the U.S., or any State, or of any political subdivision of a State	<input type="checkbox"/> A financial market utility designated by the Financial Stability Oversight Council under Title VIII of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010
<input type="checkbox"/> A Securities & Exchange Commission (SEC)-registered investment advisor, as defined in Section 202(a)(11) of the Investment Advisors Act of 1940	<input type="checkbox"/> A state-owned enterprise that only engages in activities that involve the direct exercise of legislative, executive or judicial authority and does not involve taking profits from the endeavor
<input type="checkbox"/> Any investment company, as defined in Section 3 of the Investment Company Act of 1940, registered with the SEC under that Act	
<input type="checkbox"/> A bank holding company, as defined in Section 2 of the Bank Holding Company Act of 1956 (12U.S.C. 1841) or savings and loan holding company, as defined in Section 10(n) of the Home Owners' Loan Act (12 U.S.C. 1467a(n))	
<input type="checkbox"/> Any entity (other than a bank) whose common stock or analogous equity interests are listed on the New York, American, or NASDAQ stock exchanges	

Not all share classes are available in each fund. For more information on each fund, including which shares classes are available, please either visit www.blackrock.com/funds, review the Fund's prospectus, or call us at 1-800-441-7762.

Equity	Multi Asset, Sector & Target Allocation	LifePath	Fixed Income	iShares Index Funds
<ul style="list-style-type: none"> ▶ U.S. Equity Basic Value Capital Appreciation Equity Dividend Focus Growth High Equity Income Impact U.S. Equity Large Cap Focus Growth Mid-Cap Dividend Mid-Cap Growth Equity ▶ Advantage Series Advantage Large Cap Core Advantage Large Cap Growth Advantage Large Cap Value Advantage Small Cap Core Advantage Small Cap Growth Advantage U.S. Total Market ▶ World Equity Asian Dragon Emerging Markets Emerging Markets Dividend Emerging Markets Equity Strategies* EuroFund Event Driven Equity Global Dividend Global Long/Short Equity International International Dividend Latin America Long-Horizon Equity 	<ul style="list-style-type: none"> ▶ Multi Asset Balanced Capital Dynamic High Income Global Allocation Managed Income Multi-Asset Income Tactical Opportunities Total Emerging Markets Total Factor ▶ Sector All-Call Energy & Resources Commodity Strategies Energy and Resources Health Sciences Opps Natural Resources Trust Real Estate Securities Technology Opportunities ▶ Advantage Series Advantage Emerging Markets Advantage Global Advantage International ▶ Target Allocation 20/80 Target Allocation 40/60 Target Allocation 60/40 Target Allocation 80/20 Target Allocation 	<ul style="list-style-type: none"> ▶ LifePath Index LifePath Index 2020 LifePath Index 2025 LifePath Index 2030 LifePath Index 2035 LifePath Index 2040 LifePath Index 2045 LifePath Index 2050 LifePath Index 2055 LifePath Index 2060 LifePath Index Retirement ▶ LifePath Smart Beta LifePath Smart Beta 2020 LifePath Smart Beta 2025 LifePath Smart Beta 2030 LifePath Smart Beta 2035 LifePath Smart Beta 2040 LifePath Smart Beta 2045 LifePath Smart Beta 2050 LifePath Smart Beta 2055 LifePath Smart Beta 2060 LifePath Smart Beta Retirement ▶ LifePath Dynamic LifePath Dynamic 2020 LifePath Dynamic 2025 LifePath Dynamic 2030 LifePath Dynamic 2035 LifePath Dynamic 2040 LifePath Dynamic 2045 LifePath Dynamic 2050 LifePath Dynamic 2055 LifePath Dynamic 2060 LifePath Dynamic Retirement 	<ul style="list-style-type: none"> ▶ Taxable Fixed Income Alternative Capital Strategies Core Bond CoreAlpha Bond Credit Strategies Income Floating Rate Income GNMA High Yield Bond Impact Bond Inflation Protected Bond Low Duration Bond Strategic Income Opps Total Return U.S. Mortgage U.S. Government Bond ▶ World Fixed Income Emerging Markets Dynamic Global Long/Short Credit Strategic Global Bond ▶ Municipal Fixed Income California Municipal Opps High Yield Municipal National Municipal New Jersey Municipal Bond New York Municipal Opps Pennsylvania Municipal Short-Term Municipal Strategic Municipal Opps 	<ul style="list-style-type: none"> ▶ U.S. Equity iShares Edge MSCI Multifactor USA Index* iShares Edge MSCI USA Momentum Factor* iShares Edge MSCI USA Quality Factor Index* iShares Edge MSCI USA Size Factor Index* iShares Edge MSCI MIN Vol USA Index* iShares Russell 1000 Large-Cap Index iShares Russell 2000 Small-Cap Index iShares Russell Mid-Cap Index iShares S&P 500 Index iShares Edge MSCI USA Value Factor Index* iShares Small/Mid-Cap Index iShares Total Stock U.S. Market Index ▶ World Equity iShares MSCI Asian ex Japan Index* iShares MSCI Developed World Index* iShares MSCI EAFE International Index iShares MSCI Multifactor International Index* iShares MSCI Total International Index iShares Edge MSCI Min Vol EAFE Index* ▶ Fixed Income iShares Short-Term TIPS Bond Index iShares U.S. Aggregate Bond Index ▶ Sector iShares Developed Real Estate Index

*As of the printing of this list, these funds currently only offer Institutional Shares and / or K Shares.

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