

## 2019 Section 199A Percentages

Putnam fund name	Fund code	199A percentage (%)
AMT-Free Municipal Fund CI-A	0039	0.0000
AMT-Free Municipal Fund CI-B	0239	0.0000
AMT-Free Municipal Fund CI-C	0439	0.0000
AMT-Free Municipal Fund CI-R6	8839	0.0000
AMT-Free Municipal Fund CI-Y	1839	0.0000
California Tax Exempt Income Fund-A	0015	0.0000
California Tax Exempt Income Fund-B	0215	0.0000
California Tax Exempt Income Fund-C	0415	0.0000
California Tax Exempt Income Fund-R6	8815	0.0000
California Tax Exempt Income Fund-Y	1815	0.0000
Capital Spectrum Fund-A	0072	0.0000
Capital Spectrum Fund-B	0272	0.0000
Capital Spectrum Fund-C	0472	0.0000
Capital Spectrum Fund-R	0872	0.0000
Capital Spectrum Fund-Y	1872	0.0000
Convertible Securities Fund-A	0007	1.0004
Convertible Securities Fund-B	0207	1.0004
Convertible Securities Fund-C	0407	1.0004
Convertible Securities Fund-I	6407	1.0004
Convertible Securities Fund-M	0607	1.0004
Convertible Securities Fund-R	0807	1.0004
Convertible Securities Fund-R6	8807	1.0004
Convertible Securities Fund-Y	1807	1.0004
Diversified Income Trust-A	0022	0.0000
Diversified Income Trust-B	0222	0.0000
Diversified Income Trust-C	0422	0.0000
Diversified Income Trust-M	0622	0.0000
Diversified Income Trust-R	0822	0.0000
Diversified Income Trust-R6	8822	0.0000
Diversified Income Trust-Y	1822	0.0000
Dynamic Asset Allocation Balanced Fund-A	0041	2.7407
Dynamic Asset Allocation Balanced Fund-B	0241	2.7407
Dynamic Asset Allocation Balanced Fund-C	0441	2.7407
Dynamic Asset Allocation Balanced Fund-M	0641	2.7407
Dynamic Asset Allocation Balanced Fund-P	5019	2.7407
Dynamic Asset Allocation Balanced Fund-R	0841	2.7407
Dynamic Asset Allocation Balanced Fund-R5	7841	2.7407
Dynamic Asset Allocation Balanced Fund-R6	8841	2.7407
Dynamic Asset Allocation Balanced Fund-Y	1841	2.7407
Dynamic Asset Allocation Conservative Fund-A	0042	1.7869
Dynamic Asset Allocation Conservative Fund-B	0242	1.7869
Dynamic Asset Allocation Conservative Fund-C	0442	1.7869
Dynamic Asset Allocation Conservative Fund-M	0642	1.7869
Dynamic Asset Allocation Conservative Fund-P	5020	1.7869
Dynamic Asset Allocation Conservative Fund-R	0842	1.7869
Dynamic Asset Allocation Conservative Fund-R5	7842	1.7869
Dynamic Asset Allocation Conservative Fund-R6	8842	1.7869
Dynamic Asset Allocation Conservative Fund-Y	1842	1.7869
Dynamic Asset Allocation Equity Fund-A	0071	0.0000
Dynamic Asset Allocation Equity Fund-P	5026	0.0000
Dynamic Asset Allocation Growth Fund-A	0043	3.3393
Dynamic Asset Allocation Growth Fund-B	0243	3.3393
Dynamic Asset Allocation Growth Fund-C	0443	3.3393

<b>Putnam fund name</b>	<b>Fund code</b>	<b>199A percentage (%)</b>
Dynamic Asset Allocation Growth Fund-P	5021	3.3393
Dynamic Asset Allocation Growth Fund-R	0843	3.3393
Dynamic Asset Allocation Growth Fund-R5	7843	3.3393
Dynamic Asset Allocation Growth Fund-R6	8843	3.3393
Dynamic Asset Allocation Growth Fund-Y	1843	3.3393
Dynamic Risk Allocation Fund-A	0079	9.9168
Dynamic Risk Allocation Fund-B	0279	9.9168
Dynamic Risk Allocation Fund-C	0479	9.9168
Dynamic Risk Allocation Fund-R	0879	9.9168
Dynamic Risk Allocation Fund-R6	8879	9.9168
Dynamic Risk Allocation Fund-Y	1879	9.9168
Emerging Markets Equity Fund-A	0059	0.0000
Emerging Markets Equity Fund-B	0259	0.0000
Emerging Markets Equity Fund-C	0459	0.0000
Emerging Markets Equity Fund-R	0859	0.0000
Emerging Markets Equity Fund-R6	8859	0.0000
Emerging Markets Equity Fund-Y	1859	0.0000
Equity Income Fund-A	0010	0.0000
Equity Income Fund-B	0210	0.0000
Equity Income Fund-C	0410	0.0000
Equity Income Fund-M	0610	0.0000
Equity Income Fund-R	0810	0.0000
Equity Income Fund-R5	7810	0.0000
Equity Income Fund-R6	8810	0.0000
Equity Income Fund-Y	1810	0.0000
Europe Equity Fund-A	0032	0.0000
Europe Equity Fund-B	0232	0.0000
Europe Equity Fund-C	0432	0.0000
Europe Equity Fund-R	0832	0.0000
Europe Equity Fund-R6	8832	0.0000
Europe Equity Fund-Y	1832	0.0000
Fixed Income Absolute Return Fund-A	0064	0.0000
Fixed Income Absolute Return Fund-B	0264	0.0000
Fixed Income Absolute Return Fund-C	0464	0.0000
Fixed Income Absolute Return Fund-M	0664	0.0000
Fixed Income Absolute Return Fund-P	5025	0.0000
Fixed Income Absolute Return Fund-R	0864	0.0000
Fixed Income Absolute Return Fund-R6	8864	0.0000
Fixed Income Absolute Return Fund-Y	1864	0.0000
Floating Rate Income Fund-A	0057	0.0000
Floating Rate Income Fund-B	0257	0.0000
Floating Rate Income Fund-C	0457	0.0000
Floating Rate Income Fund-M	0657	0.0000
Floating Rate Income Fund-R	0857	0.0000
Floating Rate Income Fund-R6	8857	0.0000
Floating Rate Income Fund-Y	1857	0.0000
George Putnam Balanced Fund-A	0002	0.0000
George Putnam Balanced Fund-B	0202	0.0000
George Putnam Balanced Fund-C	0402	0.0000
George Putnam Balanced Fund-M	0602	0.0000
George Putnam Balanced Fund-R	0802	0.0000
George Putnam Balanced Fund-R5	7802	0.0000
George Putnam Balanced Fund-R6	8802	0.0000
George Putnam Balanced Fund-Y	1802	0.0000
Global Communications Fund-A	0070	3.8270
Global Communications Fund-B	0270	3.8270
Global Communications Fund-C	0470	3.8270
Global Communications Fund-M	0670	3.8270
Global Communications Fund-R	0870	3.8270
Global Communications Fund-Y	1870	3.8270
Global Equity Fund-A	0044	0.0000
Global Equity Fund-R6	8844	0.0000

<b>Putnam fund name</b>	<b>Fund code</b>	<b>199A percentage (%)</b>
Global Equity Fund-Y	1844	0.0000
Global Financials Fund-A	0067	0.0000
Global Financials Fund-B	0267	0.0000
Global Financials Fund-C	0467	0.0000
Global Financials Fund-M	0667	0.0000
Global Financials Fund-R	0867	0.0000
Global Financials Fund-Y	1867	0.0000
Global Health Care Fund-A	0013	0.0000
Global Health Care Fund-R	0813	0.0000
Global Health Care Fund-Y	1813	0.0000
Global Income Trust-A	0020	0.0000
Global Income Trust-B	0220	0.0000
Global Income Trust-C	0420	0.0000
Global Income Trust-M	0620	0.0000
Global Income Trust-R	0820	0.0000
Global Income Trust-R5	7820	0.0000
Global Income Trust-R6	8820	0.0000
Global Income Trust-Y	1820	0.0000
Global Natural Resources Fund-A	0012	0.0000
Global Natural Resources Fund-B	0212	0.0000
Global Natural Resources Fund-C	0412	0.0000
Global Natural Resources Fund-M	0612	0.0000
Global Natural Resources Fund-R	0812	0.0000
Global Natural Resources Fund-Y	1812	0.0000
Global Sector Fund-A	0075	0.0000
Global Sector Fund-B	0275	0.0000
Global Sector Fund-C	0475	0.0000
Global Sector Fund-M	0675	0.0000
Global Sector Fund-R	0875	0.0000
Global Sector Fund-Y	1875	0.0000
Global Technology Fund-A	0069	0.0000
Global Technology Fund-R	0869	0.0000
Global Technology Fund-R6	8869	0.0000
Global Technology Fund-Y	1869	0.0000
Global Utilities Fund-A	0033	0.0000
Global Utilities Fund-B	0233	0.0000
Global Utilities Fund-C	0433	0.0000
Global Utilities Fund-M	0633	0.0000
Global Utilities Fund-R	0833	0.0000
Global Utilities Fund-Y	1833	0.0000
Government Money Market Fund-A	0090	0.0000
Government Money Market Fund-B	0290	0.0000
Government Money Market Fund-C	0490	0.0000
Government Money Market Fund-G	5975	0.0000
Government Money Market Fund-I	6490	0.0000
Government Money Market Fund-M	0690	0.0000
Government Money Market Fund-P	5018	0.0000
Government Money Market Fund-R	0890	0.0000
High Yield Fund-A	0019	0.0000
High Yield Fund-B	0219	0.0000
High Yield Fund-C	0419	0.0000
High Yield Fund-M	0619	0.0000
High Yield Fund-R	0819	0.0000
High Yield Fund-R6	8819	0.0000
High Yield Fund-Y	1819	0.0000
Income Fund-A	0003	0.0000
Income Fund-B	0203	0.0000
Income Fund-C	0403	0.0000
Income Fund-M	0603	0.0000
Income Fund-R	0803	0.0000
Income Fund-R5	7803	0.0000
Income Fund-R6	8803	0.0000

<b>Putnam fund name</b>	<b>Fund code</b>	<b>199A percentage (%)</b>
Income Fund-Y	1803	0.0000
Intermediate-Term Municipal Income Fund-A	0081	0.0000
Intermediate-Term Municipal Income Fund-B	0281	0.0000
Intermediate-Term Municipal Income Fund-C	0481	0.0000
Intermediate-Term Municipal Income Fund-R6	8881	0.0000
Intermediate-Term Municipal Income Fund-Y	1881	0.0000
International Equity Fund-A	0035	0.0000
International Equity Fund-B	0235	0.0000
International Equity Fund-C	0435	0.0000
International Equity Fund-R	0835	0.0000
International Equity Fund-R5	7835	0.0000
International Equity Fund-R6	8835	0.0000
International Equity Fund-Y	1835	0.0000
International Value Fund-A	0051	0.0000
International Value Fund-B	0251	0.0000
International Value Fund-C	0451	0.0000
International Value Fund-R	0851	0.0000
International Value Fund-R6	8851	0.0000
International Value Fund-Y	1851	0.0000
Managed Municipal Income Trust	5801	0.0000
Massachusetts Tax Exempt Income Fund-A	0025	0.0000
Massachusetts Tax Exempt Income Fund-B	0225	0.0000
Massachusetts Tax Exempt Income Fund-C	0425	0.0000
Massachusetts Tax Exempt Income Fund-R6	8825	0.0000
Massachusetts Tax Exempt Income Fund-Y	1825	0.0000
Master Intermediate Income Trust	5807	0.0000
Minnesota Tax Exempt Income Fund-A	0027	0.0000
Minnesota Tax Exempt Income Fund-B	0227	0.0000
Minnesota Tax Exempt Income Fund-C	0427	0.0000
Minnesota Tax Exempt Income Fund-M	0627	0.0000
Minnesota Tax Exempt Income Fund-R6	8827	0.0000
Minnesota Tax Exempt Income Fund-Y	1827	0.0000
Money Market Fund-A	0008	0.0000
Money Market Fund-B	0208	0.0000
Money Market Fund-C	0408	0.0000
Money Market Fund-M	0608	0.0000
Money Market Fund-R	0808	0.0000
Mortgage Opportunities Fund-A	0086	0.0000
Mortgage Opportunities Fund-C	0486	0.0000
Mortgage Opportunities Fund-Y	1886	0.0000
Mortgage Opportunities Fund-I	6486	0.0000
Mortgage Securities Fund-A	0017	0.0000
Mortgage Securities Fund-B	0217	0.0000
Mortgage Securities Fund-C	0417	0.0000
Mortgage Securities Fund-M	0617	0.0000
Mortgage Securities Fund-R	0817	0.0000
Mortgage Securities Fund-R6	8817	0.0000
Mortgage Securities Fund-Y	1817	0.0000
Multi-Cap Core Fund-A	0076	0.0000
Multi-Cap Core Fund-B	0276	0.0000
Multi-Cap Core Fund-C	0476	0.0000
Multi-Cap Core Fund-R	0876	0.0000
Multi-Cap Core Fund-R6	8876	0.0000
Multi-Cap Core Fund-Y	1876	0.0000
Municipal Opportunities Trust	5814	0.0000
New Jersey Tax Exempt Income Fund-A	0029	0.0000
New Jersey Tax Exempt Income Fund-B	0229	0.0000
New Jersey Tax Exempt Income Fund-C	0429	0.0000
New Jersey Tax Exempt Income Fund-R6	8829	0.0000
New Jersey Tax Exempt Income Fund-Y	1829	0.0000
New York Tax Exempt Income Fund-A	0016	0.0000
New York Tax Exempt Income Fund-B	0216	0.0000

Putnam fund name	Fund code	199A percentage (%)
New York Tax Exempt Income Fund-C	0416	0.0000
New York Tax Exempt Income Fund-R6	8816	0.0000
New York Tax Exempt Income Fund-Y	1816	0.0000
Ohio Tax Exempt Income Fund-A	0028	0.0000
Ohio Tax Exempt Income Fund-B	0228	0.0000
Ohio Tax Exempt Income Fund-C	0428	0.0000
Ohio Tax Exempt Income Fund-M	0628	0.0000
Ohio Tax Exempt Income Fund-R6	8828	0.0000
Ohio Tax Exempt Income Fund-Y	1828	0.0000
PanAgora Managed Futures Strategy-A	0088	0.0000
PanAgora Managed Futures Strategy-B	0288	0.0000
PanAgora Managed Futures Strategy-C	0488	0.0000
PanAgora Managed Futures Strategy-R	0888	0.0000
PanAgora Managed Futures Strategy-R6	8888	0.0000
PanAgora Managed Futures Strategy-Y	1888	0.0000
PanAgora Risk Parity Fund-A	0089	0.0000
PanAgora Risk Parity Fund-B	0289	0.0000
PanAgora Risk Parity Fund-C	0489	0.0000
PanAgora Risk Parity Fund-R	0889	0.0000
PanAgora Risk Parity Fund-R6	8889	0.0000
PanAgora Risk Parity Fund-Y	1889	0.0000
Pennsylvania Tax Exempt Income Fund-A	0024	0.0000
Pennsylvania Tax Exempt Income Fund-B	0224	0.0000
Pennsylvania Tax Exempt Income Fund-C	0424	0.0000
Pennsylvania Tax Exempt Income Fund-R6	8824	0.0000
Pennsylvania Tax Exempt Income Fund-Y	1824	0.0000
Premier Income Trust	5806	0.0000
Research Fund-A	0049	1.2612
Research Fund-B	0249	1.2612
Research Fund-C	0449	1.2612
Research Fund-R	0849	1.2612
Research Fund-R6	8849	1.2612
Research Fund-Y	1849	1.2612
RetirementReady Maturity-A	0151	0.0000
RetirementReady Maturity-B	0351	0.0000
RetirementReady Maturity-C	0551	0.0000
RetirementReady Maturity-M	0751	0.0000
RetirementReady Maturity-R	0951	0.0000
RetirementReady Maturity-R6	8951	0.0000
RetirementReady Maturity-Y	1951	0.0000
RetirementReady 2020 Fund-A	0154	1.0512
RetirementReady 2020 Fund-B	0354	1.0512
RetirementReady 2020 Fund-C	0554	1.0512
RetirementReady 2020 Fund-R6	8954	1.0512
RetirementReady 2020 Fund-Y	1954	1.0512
RetirementReady 2025 Fund-A	0155	1.7489
RetirementReady 2025 Fund-B	0355	1.7489
RetirementReady 2025 Fund-C	0555	1.7489
RetirementReady 2025 Fund-R	0955	1.7489
RetirementReady 2025 Fund-R6	8955	1.7489
RetirementReady 2025 Fund-Y	1955	1.7489
RetirementReady 2030 Fund-A	0156	2.3388
RetirementReady 2030 Fund-B	0356	2.3388
RetirementReady 2030 Fund-C	0556	2.3388
RetirementReady 2030 Fund-R	0956	2.3388
RetirementReady 2030 Fund-R6	8956	2.3388
RetirementReady 2030 Fund-Y	1956	2.3388
RetirementReady 2035 Fund-A	0157	3.1349
RetirementReady 2035 Fund-B	0357	3.1349
RetirementReady 2035 Fund-C	0557	3.1349
RetirementReady 2035 Fund-R	0957	3.1349
RetirementReady 2035 Fund-R6	8957	3.1349

Putnam fund name	Fund code	199A percentage (%)
RetirementReady 2035 Fund-Y	1957	3.1349
RetirementReady 2040 Fund-A	0158	0.0000
RetirementReady 2040 Fund-B	0358	0.0000
RetirementReady 2040 Fund-C	0558	0.0000
RetirementReady 2040 Fund-R	0958	0.0000
RetirementReady 2040 Fund-R6	8958	0.0000
RetirementReady 2040 Fund-Y	1958	0.0000
RetirementReady 2045 Fund-A	0159	0.0000
RetirementReady 2045 Fund-B	0359	0.0000
RetirementReady 2045 Fund-C	0559	0.0000
RetirementReady 2045 Fund-R	0959	0.0000
RetirementReady 2045 Fund-R6	8959	0.0000
RetirementReady 2045 Fund-Y	1959	0.0000
RetirementReady 2050 Fund-A	0160	0.0000
RetirementReady 2050 Fund-B	0360	0.0000
RetirementReady 2050 Fund-C	0560	0.0000
RetirementReady 2050 Fund-R	0960	0.0000
RetirementReady 2050 Fund-R6	8960	0.0000
RetirementReady 2050 Fund-Y	1960	0.0000
RetirementReady 2055 Fund-A	0161	0.0000
RetirementReady 2055 Fund-C	0561	0.0000
RetirementReady 2055 Fund-R	0961	0.0000
RetirementReady 2055 Fund-R6	8961	0.0000
RetirementReady 2055 Fund-Y	1961	0.0000
RetirementReady 2060 Fund-A	0162	0.0000
RetirementReady 2060 Fund-B	0362	0.0000
RetirementReady 2060 Fund-C	0562	0.0000
RetirementReady 2060 Fund-R	0962	0.0000
RetirementReady 2060 Fund-R6	8962	0.0000
RetirementReady 2060 Fund-Y	1962	0.0000
Short Duration Bond Fund-A	0063	0.0000
Short Duration Bond Fund-B	0263	0.0000
Short Duration Bond Fund-C	0463	0.0000
Short Duration Bond Fund-M	0663	0.0000
Short Duration Bond Fund-R	0863	0.0000
Short Duration Bond Fund-R6	8863	0.0000
Short Duration Bond Fund-Y	1863	0.0000
Short-Term Investment Fund-P	5016	0.0000
Short-Term Municipal Income Fund-A	0080	0.0000
Short-Term Municipal Income Fund-B	0280	0.0000
Short-Term Municipal Income Fund-C	0480	0.0000
Short-Term Municipal Income Fund-R6	8880	0.0000
Short-Term Municipal Income Fund-Y	1880	0.0000
Small Cap Value Fund-A	0053	13.9216
Small Cap Value Fund-B	0253	13.9216
Small Cap Value Fund-C	0453	13.9216
Small Cap Value Fund-R	0853	13.9216
Small Cap Value Fund-R5	7853	13.9216
Small Cap Value Fund-R6	8853	13.9216
Small Cap Value Fund-Y	1853	13.9216
Sustainable Future Fund-A	0056	0.0000
Sustainable Future Fund-B	0256	0.0000
Sustainable Future Fund-C	0456	0.0000
Sustainable Future Fund-R	0856	0.0000
Sustainable Future Fund-R6	8856	0.0000
Sustainable Future Fund-Y	1856	0.0000
Sustainable Leaders Fund-A	0031	0.0000
Sustainable Leaders Fund-B	0231	0.0000
Sustainable Leaders Fund-C	0431	0.0000
Sustainable Leaders Fund-R	0831	0.0000
Sustainable Leaders Fund-R6	8831	0.0000
Sustainable Leaders Fund-Y	1831	0.0000

<b>Putnam fund name</b>	<b>Fund code</b>	<b>199A percentage (%)</b>
Tax Exempt Income Fund-A	0009	0.0000
Tax Exempt Income Fund-B	0209	0.0000
Tax Exempt Income Fund-C	0409	0.0000
Tax Exempt Income Fund-R6	8809	0.0000
Tax Exempt Income Fund-Y	1809	0.0000
Tax-Free High Yield Fund-A	0040	0.0000
Tax-Free High Yield Fund-B	0240	0.0000
Tax-Free High Yield Fund-C	0440	0.0000
Tax-Free High Yield Fund-R6	8840	0.0000
Tax-Free High Yield Fund-Y	1840	0.0000
Ultra Short Duration Income Fund-A	0078	0.0000
Ultra Short Duration Income Fund-B	0278	0.0000
Ultra Short Duration Income Fund-C	0478	0.0000
Ultra Short Duration Income Fund-M	0678	0.0000
Ultra Short Duration Income Fund-N	1178	0.0000
Ultra Short Duration Income Fund-R	0878	0.0000
Ultra Short Duration Income Fund-R6	8878	0.0000
Ultra Short Duration Income Fund-Y	1878	0.0000