

Pioneer Municipal High Income Advantage Fund, Inc.

Top 25 Holdings

As of May 31, 2023

	Holding	% Weight
1.	United States Steel Corp 5.45% 9/1/52	4.9%
2.	Puerto Ric Cmlt Aqedu Sew Aut 5% 7/1/47	4.4%
3.	Buckeye Tobacco Stmt Fin Auth 5% 6/1/55	3.3%
4.	WGBH Educational Foundation 5.75% 1/1/42	2.8%
5.	Puerto Rico Sale Tax Fi Cor Tr 5% 7/1/58	2.8%
6.	Asante Health System Obl Grp 4% 8/15/45	2.7%
7.	Stanislaus County Tobacco Fdg 0% 6/1/46	2.6%
8.	Loma Linda Univers Med Cen Og 5.25% 12/1/56	2.5%
9.	Tobacco Settlement Fin Corp/Va 5% 6/1/47	2.5%
10.	Dominion Water & Sanitation Di 5.88% 12/1/52	2.2%
11.	Oroville Hospital 5.25% 4/1/54	2.0%
12.	Columbia Tobac Settl Fin Corp 6.75% 5/15/40	1.9%
13.	Howmet Aerospace Inc 4.75% 8/1/42	1.9%
14.	United Airlines Inc 4% 7/15/41	1.8%
15.	Thomas Jefferson University Og 4% 9/1/49	1.7%
16.	University Of Pennsylvania Hso 4% 8/15/49	1.6%
17.	Loma Linda Univers Med Cen Og 5% 12/1/46	1.6%
18.	I-66 Express Mobility Part Llc 5% 12/31/49	1.6%
19.	Commonwealth Of Puerto Rico 4% 7/1/46	1.6%
20.	Tobacco Sttmt Rev Mgmt Auth 6.38% 5/15/30	1.5%
21.	Oroville Hospital 5.25% 4/1/49	1.4%
22.	Thomas Jefferson University Og 5% 5/1/52	1.3%
23.	Metropolitan Transport Auth 4% 11/15/48	1.3%
24.	Commonwealth Of Puerto Rico 4% 7/1/41	1.3%
25.	Edu Leads To Success Foundatio 9% 2/1/50	1.2%

The portfolio is actively managed and current fund information is subject to change. The holdings listed should not be considered recommendations to buy or sell any security.

Shares of closed-end funds, unlike open-end funds, are not continuously offered. Once issued, shares of closed-end funds are bought and sold in the open market through a stock exchange and frequently trade at prices lower than their net asset value. Net Asset Value (NAV) is total assets less total liabilities, which includes preferred shares, divided by the number of common shares outstanding.

For additional information, please contact your financial professional or visit our website amundi.com/usinvestors.

Not FDIC insured | May lose value | No bank guarantee

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