

## Average Premium and Discount U.S. Closed End Funds

Last Fri    Last Fri

12/31/2003 12/31/2004 12/31/2005 12/31/2006 12/31/2007 12/31/2008 12/31/2009 12/31/2010 12/31/2011 12/31/2012 12/31/2013 12/31/2014 12/31/2015 12/31/2016 12/31/2017 12/31/2018 12/31/2019 12/31/2020 11/19/2021 11/26/2021

	Asset Class	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc	Prem/Disc
Developed Market Funds	EQ	-5.8	-6.4	-4.4	-0.6	-7.1	-13.9	-10.8	-8.8	-11.4	-9.3	-8	-11.7	-11.1	-12.2	-9.1	-13.4	-12.3	-14.4	-11.5	-11.4		
Diversified Equity Funds	EQ	-2.5	-1.5	-4.9	2.9	-6.7	-17.6	-10.8	-11.7	-12.3	-12.2	-9.6	-11.1	-12.1	-12.6	-8.7	-12.1	-9.4	-9	-4.3	-1		
Emerging Markets Funds	EQ	3	-1.8	-4.3	6.6	-10.1	-8.2	-8	-6.9	-9.9	-7.6	-8.9	-8.1	-11.5	-12.8	-11.3	-13.9	-11.2	-12.7	-11.8	-11.9		
Energy MLP Funds	EQ	N/A	3	-4.2	5.6	-5.7	12.8	19.1	8.9	4.4	4.9	-0.3	-3.2	-6.5	-6.7	-1.9	-9	-8.7	-22	-16.5	-16.7		
Global Funds	EQ	-9.8	-8.6	-3.7	-2.4	-8.2	-17.1	-5.7	-9	-11.4	-10.6	-10.9	-9.3	-13.4	-10.5	-4.9	-11.6	-6.7	-10.7	-3.3	-2.9		
Natural Resources Funds	EQ	-1.3	-2	-7.1	-5.9	-9.2	-9.7	-2.4	-3.2	-8.9	-5.5	-10.3	-10.8	-12.3	-10	-5.6	-12.3	-8.1	-17.3	-10	-10.8		
Options Arbitrage/Opt Strat Fds	EQ	N/A	-1.6	-7.9	2.6	-9.8	-12.4	2.8	-1.9	-8.8	-7.9	-6.9	-5.8	-4.1	-6	-1.4	-6.1	-2	-5.5	-1.2	-1		
Real Estate Funds	EQ	0	-8.1	-8	0	-9.5	-23.7	-13.4	-4.2	-8.7	-4.3	-9.2	-9.6	-12.4	-11.5	-7.1	-12.7	-4.6	-8.4	-4.4	-3.9		
Sector Equity Funds	EQ	-7.8	-6	-6.1	-4.4	-9	-11.2	-9.7	-6.1	-13	-7.8	-5.5	-5.6	-12.5	-11.3	-9.5	-12	-8.7	-10.6	-5.1	-5.1		
Utility Funds	EQ	32.6	1.8	-3.6	-1.3	-0.2	-11.8	6.9	-1.6	2.5	-2.9	-7	-5.2	-8.6	-6.7	-0.3	-2.1	4.2	5.8	9.2	10		
Corporate BBB-Rated Debt Funds(Leveraged)	FI	-0.6	-4.8	-9.3	-3.9	-11.3	-4	-2.4	-4.1	-2.8	-4.2	-9	-10	-9.9	-7.8	-7.1	-10.5	-4.8	-5.5	-2.6	-2.2		
Corporate Debt Funds BBB-Rated	FI	-8.3	-9.6	-11.3	-8.1	-11	-2	-2.8	-6.2	0.5	-0.1	-8.2	-7.6	-5.3	-3.6	-1.1	-7.2	-0.5	-1.3	1.6	1.5		
Emerging Mrkts Hard Currency Debt Funds	FI	0.6	-3.9	-7	-8.6	-11.3	-18.4	-9.5	-4.4	-5.8	-1.9	-8.4	-11.4	-14.6	-8.6	-6	-8.9	4.3	-5.5	-2.1	-2.2		
General Bond Funds	FI	-0.7	0.5	-3.4	2.3	-7.9	-5.2	4.5	3.5	6.5	3.6	-2.1	-3.1	-5.1	-1.9	-1.4	-3.4	3.6	0.2	4.2	3.9		
Global Income Funds	FI	5.2	2.1	-6.8	-0.1	-7.2	-7.7	2	-2.5	4.4	0.8	-6.6	-8.2	-9.5	-5.4	-3.2	-5.3	1.7	-2.2	4.5	4		
High Yield Funds	FI	1.5	1.8	-8.9	-0.1	-11.1	-13.1	1.4	-2	-0.3	-0.9	-6	-5.9	-9.5	-9	-6.8	-10.7	-0.8	-4.8	5.4	4.8		
High Yield Funds (Leveraged)	FI	2.9	-1	-7.2	-2.3	-10.9	-12.9	-2.1	-1.1	5	1.1	-4.4	-5.7	-10.5	-7.7	-6.8	-12.2	-5.3	-6.6	0.8	0.1		
Loan Participation Funds	FI	5.2	-0.1	-10	-1.1	-10.1	-5.6	-3.2	-0.5	-5.2	1.2	-5.1	-9	-8.6	-3.3	-5.2	-11.8	-4.5	-9.8	-1.8	-1.7		
U.S. Mortgage Funds	FI	0.5	-1.4	-11.8	-7.3	-9.7	-5.7	-4.7	-3	-2	-0.6	-9.5	-9.3	-6.8	-2.3	-0.3	-5.6	-4	-7	-1.7	-1.6		
California Municipal Debt Funds	M	-5.6	-7.3	-3.2	1.7	-5.6	-14.2	-4.6	0.1	1.8	1	-4.4	-2.9	0	-0.9	-2.6	-10.4	-1.2	-3.8	1	-0.7		
General & Insured Muni Debt Funds (Lever)	M	-4.5	-6.1	-3.1	-1.4	-7.4	-11.5	-2.1	0.1	2.5	0.9	-6.2	-6.9	-4.6	-3.6	-4.5	-10.8	-3.5	-3.5	-0.9	-1.7		
General & Insured Muni Fds (Unleveraged)	M	-8.1	-9.6	-6.3	-3.1	-5.9	3.3	2.7	-1.4	3	-0.8	-5.9	-2.2	-2.3	-4.5	-2.7	-7.4	-1	1.1	0.2	-0.4		
High Yield Municipal Debt Funds	M	-2.3	-4.3	-1.8	1.5	-7.6	-9.1	1.7	0.5	5.3	1.6	-3.8	-3	-2.9	-4.2	-3.2	-9.8	-2.3	-4.8	-1.6	-1.2		
Intermediate Municipal Debt Funds	M	-4.5	-9.8	-10.8	-4.2	-10.9	-14.1	-7.5	-2.2	0.9	-7.7	-8.7	-7.1	-7	-8.6	-13.3	-8.6	-6.7	-2.4	-3.7			
New Jersey Municipal Debt Funds	M	-4.5	-3.3	-1.6	-0.3	-11	-21.4	-8.5	-3.7	-1.9	-1.7	-10	-11.8	-9.4	-7.4	-7.7	-16.4	-8.8	-11.6	-2.7	-3.7		
New York Municipal Debt Funds	M	-5.1	-8.3	-1.5	0.3	-7.8	-14.5	-2.4	-1.4	1.7	2.6	-4.7	-6.1	-2.4	-3.4	-4.4	-10	-3.5	-6.7	-3.1	-3.7		
Other States Municipal Debt Funds	M	4.6	6.9	4.8	2.8	-6.3	-8.3	-0.4	0.8	3.9	2.4	-7.8	-7.3	-2.9	-2.8	-4	-13.9	-4.9	-4.8	-0.4	-1.2		
Pennsylvania Municipal Debt Funds	M	-1.3	-0.8	-8.8	-10.2	-11.8	-24.4	-9.1	-4.7	-0.4	-2	-10.7	-9.7	-11.4	-10.3	-12.1	-15.8	-8.8	-9.3	-3.5	-3.9		
Convertible Securities Funds	MA	1	0	-2.7	3.2	-9.8	-7.8	-6	-2.6	-6.4	-7.5	-7.4	-3.6	-12.6	-9.9	-3.4	-8.1	-2.3	-8	-2.6	-3.1		
Income & Preferred Stock Funds	MA	3.5	-1.9	-9.5	-2.8	-8.9	-12	-6.2	-5.5	0.5	-2.7	-7.9	-7.2	-7.3	-3.8	-2.2	-4.9	2.1	-0.2	1.6	0.9		

Source: Refinitiv Lipper