

Trading Report

ETF Data
 Capital Markets Group

April 2020

Ticker	ETF Name	Spread (\$)	Spread (%)	Spread (\$) 3 Month Avg.	Consolidated Avg. Daily Volume (Shares)	Consolidated Average Daily Volume (\$)	Consolidated Avg. Daily Volume (Shares) 3 Month Avg.	Avg. Quote Size (Shares)	Avg. Quote Size (Shares) 3 Month Avg.	Avg. Quote Size (\$)	Avg. Quote Size (\$) 3 Month Avg.	Avg. Trade Size	Daily Volatility (%)	Short Interest as of 04/15/2020
US Core														
SPY	SPDR S&P 500 [®] ETF Trust	0.01	0.00	0.01	134,298,640	36,692,110,372	174,160,413	1,229	1,543	342,144	476,566	168	2.24	226,045,276
MDY	SPDR S&P MIDCAP 400 [®] ETF Trust	0.17	0.06	0.20	1,349,577	376,156,198	2,016,226	792	778	218,985	235,268	101	3.06	2,069,642
SLY	SPDR S&P 600 Small Cap ETF	0.14	0.29	0.16	183,225	9,104,289	210,605	904	887	45,295	50,641	199	3.50	97,900
DIA	SPDR Dow Jones Industrial Average ETF Trust	0.03	0.01	0.04	6,599,280	1,526,587,638	7,781,475	463	622	107,663	162,179	122	2.29	7,239,284
SPTM	SPDR Portfolio S&P 500 Composite Stock Market ETF	0.02	0.06	0.03	872,519	29,225,435	1,367,368	3,575	4,215	120,198	156,192	329	2.17	184,567
SPSM	SPDR S&P 600 Small Cap ETF	0.04	0.17	0.05	1,012,540	22,751,998	1,203,434	2,737	4,134	61,842	113,392	357	3.54	420,500
SPLG	SPDR Portfolio S&P 500 ETF	0.01	0.03	0.01	5,761,351	185,853,491	6,007,704	61,541	57,421	2,011,601	2,075,444	781	2.20	262,206
SPMD	SPDR S&P 400 Mid Cap ETF	0.02	0.08	0.03	1,363,923	36,471,265	1,597,634	7,278	8,236	193,562	249,654	463	3.01	257,445
SPYX	SPDR S&P 500 Fossil Fuel Reserves Free ETF	0.06	0.09	0.09	55,576	3,819,834	63,020	397	1,036	27,115	79,209	157	2.04	102,267
SHE	SPDR SSGA Gender Diversity Index ETF	0.06	0.10	0.12	9,658	606,901	14,759	549	963	35,075	64,671	81	1.94	6,894
US Style														
SPYG	SPDR Portfolio S&P 500 Growth ETF	0.01	0.03	0.02	3,062,461	117,006,971	3,800,320	6,984	6,674	273,921	279,296	257	2.26	559,447
SPYV	SPDR Portfolio S&P 500 Value ETF	0.01	0.04	0.02	2,918,893	79,718,355	3,206,772	13,565	14,245	378,093	456,388	464	2.32	783,210
MDYG	SPDR S&P 400 Mid Cap Growth ETF	0.10	0.23	0.12	200,667	8,926,357	265,783	1,376	1,966	62,822	102,720	279	2.73	44,306
MDYV	SPDR S&P 400 Mid Cap Value ETF	0.05	0.15	0.07	293,377	10,668,944	351,275	934	892	35,157	40,070	274	3.26	211,457
SLYG	SPDR S&P 600 Small Cap Growth ETF	0.13	0.27	0.14	257,314	12,289,186	303,942	1,562	1,600	75,010	87,484	176	3.25	47,041
SLYV	SPDR S&P 600 Small Cap Value ETF	0.09	0.23	0.10	524,111	22,019,487	583,270	1,468	1,540	61,990	78,266	220	3.84	231,764
US Sector														
XLC	The Communication Services Select Sector SPDR Fund	0.01	0.02	0.01	3,199,336	149,338,497	5,559,066	3,710	6,811	176,123	362,746	205	2.35	1,750,603
XLY	The Consumer Discretionary Select Sector SPDR Fund	0.02	0.02	0.02	4,703,291	501,421,326	7,127,731	884	1,458	96,526	176,889	97	2.53	4,683,593

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US Sector (cont'd)														
XLP	The Consumer Staples Select Sector SPDR Fund	0.01	0.02	0.01	14,613,274	847,818,067	19,080,452	9,031	18,766	529,768	1,178,752	208	2.10	16,017,842
XLE	The Energy Select Sector SPDR Fund	0.01	0.03	0.01	44,134,282	1,462,826,165	38,596,598	13,078	15,864	438,767	708,642	238	5.55	30,902,990
XLF	The Financial Select Sector SPDR Fund	0.01	0.06	0.01	73,055,385	1,597,012,141	91,642,113	246,155	263,211	5,380,303	7,054,599	745	3.05	129,928,896
XLV	The Health Care Select Sector SPDR Fund	0.01	0.01	0.01	12,943,334	1,231,274,049	15,648,086	1,964	3,049	190,130	304,940	134	2.28	22,783,512
XLI	The Industrial Select Sector SPDR Fund	0.01	0.02	0.01	14,154,730	863,748,206	19,780,694	3,493	5,624	214,516	431,135	158	2.58	19,939,920
XLB	The Materials Select Sector SPDR Fund	0.01	0.02	0.01	9,000,579	438,488,744	11,369,849	4,113	5,945	202,841	334,711	174	2.79	9,722,079
XLK	The Technology Select Sector SPDR Fund	0.01	0.01	0.01	14,823,010	1,258,581,575	22,431,875	2,994	3,324	258,372	310,475	133	2.65	8,701,598
XLU	The Utilities Select Sector SPDR Fund	0.01	0.02	0.01	18,514,729	1,062,732,309	24,755,645	4,640	8,424	288,303	558,765	175	3.40	30,360,509
XLRE	The Real Estate Select Sector SPDR Fund	0.01	0.03	0.01	10,804,002	352,026,555	11,142,320	13,515	23,659	449,508	916,050	291	3.12	1,806,522
US Industry														
KBE	SPDR S&P Bank ETF	0.01	0.04	0.01	2,980,153	84,492,132	3,091,604	3,071	5,133	87,498	203,764	155	4.58	3,158,206
KCE	SPDR S&P Capital Markets ETF	0.12	0.25	0.19	8,099	388,108	7,773	178	302	8,565	16,080	150	1.94	14,139
KIE	SPDR S&P Insurance ETF	0.02	0.09	0.03	378,992	9,858,601	400,185	1,648	2,340	41,603	68,730	172	3.21	374,410
KRE	SPDR S&P Regional Banking ETF	0.01	0.03	0.01	10,890,915	365,219,245	10,238,126	3,892	6,322	131,965	306,190	173	5.01	21,836,440
XBI	SPDR S&P Biotech ETF	0.02	0.03	0.03	7,234,288	630,073,390	7,795,188	602	785	51,831	67,871	124	3.47	64,117,510
XNTK	SPDR NYSE Technology ETF	0.05	0.07	0.08	27,603	2,185,507	35,076	558	627	44,334	51,469	101	2.65	7,453
XHB	SPDR S&P Homebuilders ETF	0.01	0.04	0.01	2,794,612	89,000,442	2,662,781	3,066	2,871	98,537	115,233	159	3.94	3,615,824
XME	SPDR S&P Metals & Mining ETF	0.01	0.06	0.01	2,548,574	45,970,287	2,567,653	8,924	7,622	160,907	158,845	185	4.51	2,570,167
XES	SPDR S&P Oil & Gas Equipment & Services ETF	0.06	0.24	0.03	270,254	6,897,514	1,198,215	1,495	63,364	36,870	339,609	159	7.86	136,948
XITK	SPDR FactSet Innovative Technology ETF	0.17	0.16	0.20	9,154	971,569	9,789	209	197	22,073	21,674	72	2.68	5,337
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	0.01	0.03	0.01	14,920,594	617,676,234	40,411,932	980	45,681	40,837	718,477	129	7.35	14,619,246
XPH	SPDR S&P Pharmaceuticals ETF	0.06	0.16	0.07	119,989	4,640,215	139,777	2,654	3,257	101,932	128,637	204	2.35	994,306
XRT	SPDR S&P Retail ETF	0.01	0.03	0.01	7,020,121	230,807,186	6,893,981	7,315	6,043	243,274	227,667	181	3.53	16,528,061
XSD	SPDR S&P Semiconductor ETF	0.09	0.10	0.11	92,624	8,630,584	125,375	238	320	21,886	30,338	91	3.12	390,575

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US Industry (cont'd)														
XHE	SPDR S&P Health Care Equipment ETF	0.25	0.32	0.26	34,572	2,675,363	51,834	582	783	44,866	59,167	85	2.63	679,826
XTL	SPDR S&P Telecom ETF	0.20	0.31	0.22	6,989	443,331	9,688	1,828	2,129	118,416	137,335	93	2.07	7,152
XAR	SPDR S&P Aerospace & Defense ETF	0.14	0.18	0.14	181,277	14,049,360	286,458	668	758	51,441	64,017	103	3.19	82,189
XHS	SPDR S&P Health Care Services ETF	0.22	0.36	0.23	10,718	653,783	11,254	185	162	11,174	10,414	108	2.89	2,244
XSW	SPDR S&P Software & Services ETF	0.21	0.24	0.24	33,570	2,948,829	43,215	316	378	27,409	34,995	102	2.70	19,946
XTH	SPDR S&P Technology Hardware ETF	0.25	0.40	0.30	2,324	144,329	1,697	660	1,190	40,907	80,569	97	2.12	2,378
XTN	SPDR S&P Transportation ETF	0.08	0.18	0.11	62,270	2,818,007	48,659	536	467	24,113	24,263	214	3.14	77,005
XWEB	SPDR S&P Internet ETF	0.14	0.19	0.18	4,609	337,155	3,739	309	619	22,550	44,682	76	2.03	7,965
KOMP	SPDR S&P Kensho New Economies Composite ETF	0.09	0.31	0.11	197,301	6,078,563	317,630	1,152	1,736	34,897	58,472	1,147	2.47	46,953
ROKT	SPDR S&P Kensho Final Frontiers ETF	0.11	0.39	0.10	3,192	88,462	5,949	357	213	10,051	6,482	85	2.17	267
CNRG	SPDR S&P Kensho Clean Power ETF	0.13	0.34	0.14	8,373	329,201	16,150	311	272	12,366	11,777	69	2.83	7,175
SIMS	SPDR S&P Kensho Intelligent Structures ETF	0.11	0.46	0.12	5,242	122,011	4,204	1,225	659	30,083	17,038	133	2.64	37
HAIL	SPDR S&P Kensho Smart Mobility ETF	0.08	0.36	0.10	4,265	87,145	4,049	1,360	1,220	30,714	31,560	120	1.91	785
FITE	SPDR S&P Kensho Future Security ETF	0.11	0.34	0.12	7,495	235,782	7,034	902	832	29,413	28,333	172	1.90	759
Real Estate Equities														
RWR	SPDR Dow Jones REIT ETF	0.07	0.10	0.10	232,381	17,303,059	227,103	1,373	1,082	102,481	95,425	151	3.46	47,525
RWO	SPDR Dow Jones Global Real Estate ETF	0.09	0.23	0.10	472,899	17,194,238	419,572	614	713	22,590	30,741	212	2.46	225,619
RWX	SPDR Dow Jones International Real Estate ETF	0.04	0.16	0.04	676,554	18,175,849	856,688	1,139	3,513	30,699	127,211	238	1.46	369,831
Global Equities														
DGT	SPDR Global Dow ETF	0.12	0.17	0.16	3,810	266,350	6,656	318	317	22,381	24,115	95	1.46	10,246
GII	SPDR S&P Global Infrastructure ETF	0.08	0.19	0.10	33,181	1,344,447	46,657	890	884	36,277	40,526	171	2.03	10,928
GNR	SPDR S&P Global Natural Resources ETF	0.11	0.32	0.13	325,967	10,735,566	435,514	943	988	31,439	34,623	297	2.88	447,055
OWI	SPDR MSCI ACWI ex-US ETF	0.05	0.26	0.04	661,750	13,292,988	780,554	2,470	6,875	50,221	163,158	611	1.63	16,726
SPGM	SPDR Portfolio MSCI Global Stock Market ETF	0.14	0.40	0.14	32,515	1,141,418	45,731	521	489	18,380	17,992	235	1.98	24,293

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Global Equities (cont'd)														
EFAX	SPDR MSCI EAFE Fossil Fuel Reserves Free ETF	0.27	0.47	0.35	4,378	249,228	7,984	239	419	13,777	27,030	243	0.88	585
SPDW	SPDR Portfolio Developed World ex-US ETF	0.01	0.04	0.02	3,999,248	98,157,604	4,836,558	17,026	20,955	421,362	599,901	569	1.60	5,798,600
GWX	SPDR S&P International Small Cap ETF	0.11	0.48	0.11	258,333	6,097,689	310,801	1,460	1,417	34,484	35,778	344	1.80	515,178
LOWC	SPDR MSCI ACWI Low Carbon Target ETF	0.11	0.13	0.16	3,205	264,095	11,237	462	385	38,042	33,497	88	1.26	212
International Developed Equities – Region/Country														
FEZ	SPDR EURO STOXX 50® ETF	0.01	0.03	0.01	3,143,825	94,135,621	3,333,998	24,474	29,050	736,058	1,064,546	289	2.00	3,913,845
SPEU	SPDR Portfolio Europe ETF	0.14	0.50	0.13	54,188	1,507,121	79,169	942	1,016	26,046	30,978	424	1.50	2,625
SMEZ	SPDR EURO STOXX® Small Cap ETF	0.09	0.19	0.14	2,242	108,259	2,411	264	322	12,732	17,076	118	0.76	1,004
Emerging Market Equities														
SPEM	SPDR Portfolio Emerging Markets ETF	0.01	0.04	0.02	2,363,260	69,642,950	2,819,598	4,406	3,563	131,203	116,426	331	1.58	1,712,074
GMF	SPDR S&P Emerging Asia Pacific ETF	0.33	0.38	0.34	25,531	2,227,886	38,324	670	621	59,063	56,712	143	1.60	237,302
EEMX	SPDR MSCI Emerging Markets Fossil Fuel Reserves Free ETF	0.10	0.20	0.14	3,331	176,952	6,123	347	266	18,278	14,906	138	1.05	5,166
EWX	SPDR S&P Emerging Markets Small Cap ETF	0.08	0.23	0.10	280,853	9,803,225	272,346	590	659	20,590	24,692	241	1.61	170,395
QXC	SPDR S&P China ETF	0.26	0.27	0.25	63,255	5,946,824	134,178	365	352	34,480	33,851	125	1.42	8,602
Advanced Beta – Income														
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.07	0.32	0.10	144,477	3,370,614	119,232	1,519	1,403	34,990	33,954	452	1.67	535
DWX	SPDR S&P International Dividend ETF	0.06	0.21	0.06	134,886	4,166,973	167,387	1,406	1,090	43,888	36,977	254	1.56	14,734
SDY	SPDR S&P Dividend ETF	0.04	0.05	0.06	1,013,294	85,049,947	1,191,635	1,606	1,671	134,831	154,453	160	2.52	80,661
WDIV	SPDR S&P Global Dividend ETF	0.10	0.21	0.12	46,935	2,279,813	46,248	712	679	35,220	38,616	188	1.91	4,319
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.01	0.04	0.01	1,481,549	38,559,050	1,915,367	4,836	5,835	128,293	199,167	145	3.28	386,048
Advanced Beta – Multi Factor														
ZCAN	SPDR Selective Canada ETF	0.07	0.14	0.08	1,579	75,674	2,146	599	592	28,768	31,075	95	0.66	1,327
ZDEU	SPDR Selective Germany ETF	0.07	0.14	0.08	1,364	62,575	1,446	996	975	45,530	48,265	95	0.74	296
ZHOK	SPDR Selective Hong Kong ETF	0.32	0.58	0.26	5,061	272,867	3,482	375	467	20,641	26,419	232	0.85	18,123

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Advanced Beta – Multi Factor (cont'd)														
ZJPN	SPDR Selective Japan ETF	0.09	0.14	0.10	298	19,825	1,505	597	580	39,636	40,058	28	0.15	16
ZGBR	SPDR Selective United Kingdom ETF	0.09	0.24	0.11	3,004	112,106	5,126	597	581	22,337	23,839	157	0.86	17,426
OEFA	SPDR MSCI EAFE StrategicFactors™ ETF	0.32	0.58	0.39	60,863	3,308,019	76,001	1,476	1,272	80,960	73,042	251	1.50	11,214
OWLD	SPDR MSCI World StrategicFactors™ ETF	0.21	0.29	0.25	1,003	71,469	2,718	987	968	71,735	74,031	68	0.82	42
OEMM	SPDR MSCI Emerging Markets StrategicFactors™ ETF	0.32	0.67	0.35	23,217	1,123,498	30,804	905	921	43,698	47,772	226	1.65	6,008
OUS	SPDR MSCI USA StrategicFactors™ ETF	0.07	0.09	0.10	132,142	10,710,519	146,197	543	407	44,354	34,552	272	1.96	291,921
Advanced Beta – Single Factor														
SPYB	SPDR S&P 500 Buyback ETF	0.21	0.41	0.23	8,516	455,555	9,629	2,500	2,467	131,765	146,016	103	2.40	22,407
VLJ	SPDR S&P 1500 Value Tilt ETF	0.40	0.46	0.48	3,998	348,328	4,749	1,648	1,938	143,632	188,443	134	1.70	2,535
MMTM	SPDR S&P 1500 Momentum Tilt ETF	0.54	0.45	0.44	5,889	705,092	6,805	1,394	1,372	168,137	176,329	158	1.61	48,335
LQLV	SPDR SSGA US Large Cap Low Volatility Index ETF	0.12	0.12	0.14	141,922	13,559,873	187,681	697	755	66,293	80,559	151	2.27	11,259
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	0.35	0.52	0.40	46,053	3,055,250	46,990	227	389	15,339	32,600	139	3.89	31,778
ONEY	SPDR Russell 1000 Yield Focus ETF	0.17	0.34	0.26	5,207	269,274	10,095	318	349	16,182	20,889	111	2.53	7,023
ONEO	SPDR Russell 1000 Momentum Focus ETF	0.16	0.27	0.17	3,910	230,228	4,996	274	190	16,380	12,083	95	1.52	36,337
ONEV	SPDR Russell 1000 Low Volatility Focus ETF	0.12	0.19	0.13	10,991	710,054	24,657	302	296	19,793	21,928	113	2.04	3,881
Advanced Beta – Fixed Income														
DWFI	SPDR Dorsy Wright® Fixed Income Allocation ETF	0.03	0.14	0.04	26,903	605,449	100,211	5	6	12,205	12,746	330	1.11	12,959
SPBO	SPDR Portfolio Corporate Bond ETF	0.04	0.12	0.04	51,889	1,726,004	72,165	592	657	19,966	22,168	237	1.08	51,765
Fixed Income – US Government														
BL	SPDR Bloomberg Barclays 1-3 Month T-Bill ETF	0.01	0.01	0.01	4,379,028	400,916,036	5,520,808	922,239	1,649,217	84,435,433	150,930,495	779	0.02	2,930,997
SPTI	SPDR Portfolio Intermediate Term Treasury ETF	0.01	0.04	0.02	1,524,907	50,466,408	2,849,645	40,691	56,718	1,347,554	1,818,050	1,759	0.28	317,779

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Fixed Income – US Government (cont'd)														
SPTL	SPDR Portfolio Long Term Treasury ETF	0.05	0.11	0.06	961,743	46,130,384	1,339,728	14,991	13,821	720,862	614,798	493	1.13	75,483
SPIP	SPDR Portfolio TIPS ETF	0.03	0.09	0.04	402,336	11,962,744	722,017	5,647	18,539	167,703	541,982	376	0.75	159,223
SPTS	SPDR Portfolio Short Term Treasury ETF	0.01	0.03	0.01	2,385,372	73,233,221	5,345,623	247,123	347,882	7,587,775	10,546,320	1,067	0.09	481,510
TIPX	SPDR Bloomberg Barclays 1-10 Year TIPS ETF	0.05	0.24	0.04	62,980	1,255,853	134,125	4,240	22,560	84,802	449,193	616	0.53	7,746
Fixed Income – US Investment Grade Corporates														
SPSB	SPDR Portfolio Short Term Corporate Bond ETF	0.01	0.04	0.01	2,883,154	88,638,445	2,835,395	6,242	27,958	191,820	864,216	518	0.52	5,032,359
SPIB	SPDR Portfolio Intermediate Term Corporate Bond ETF	0.02	0.07	0.03	2,433,042	84,717,472	2,255,478	3,456	8,534	121,213	303,924	414	0.88	1,423,952
SPLB	SPDR Portfolio Long Term Corporate Bond ETF	0.04	0.13	0.04	796,071	24,138,424	929,251	1,028	1,662	30,975	50,848	281	1.59	80,849
FLRN	SPDR Bloomberg Barclays Investment Grade Floating Rate ETF	0.02	0.06	0.02	1,110,478	33,166,056	1,687,472	2,559	28,728	76,662	881,848	489	0.39	792,714
Fixed Income – High Yield														
JNK	SPDR Bloomberg Barclays High Yield Bond ETF	0.01	0.01	0.02	8,077,898	785,670,232	10,886,636	4,045	11,274	394,243	1,209,892	219	1.46	8,505,999
SJNK	SPDR Bloomberg Barclays Short Term High Yield Bond ETF	0.01	0.04	0.01	5,069,665	121,813,699	5,968,951	37,424	73,728	904,717	1,936,860	514	1.30	4,654,993
SPHY	SPDR Portfolio High Yield Bond ETF	0.11	0.46	0.09	78,404	1,814,118	91,153	1,340	1,191	31,223	29,284	218	1.55	34,675
Fixed Income – US Mortgage														
SPMB	SPDR Portfolio Mortgage Backed Bond ETF	0.03	0.10	0.02	465,955	12,443,790	1,424,235	976	1,737	26,053	45,892	455	0.70	18,405
Fixed Income – US Aggregate														
SPAB	SPDR Portfolio Aggregate Bond ETF	0.02	0.05	0.02	2,229,171	67,751,092	2,833,413	7,471	19,429	227,407	584,148	414	0.64	516,246
Fixed Income – Hybrids														
OWB	SPDR Bloomberg Barclays Convertible Securities ETF	0.05	0.10	0.04	1,203,129	60,219,185	1,935,519	1,216	2,299	61,197	126,819	197	2.02	494,015
PSK	SPDR Wells Fargo Preferred Stock ETF	0.09	0.24	0.09	378,917	15,459,051	372,525	1,077	904	43,860	37,640	286	1.92	78,747

Source: NYSE, Nasdaq and BATS as of 04/30/2020. Past performance is not a guarantee of future results.

Ticker	ETF Name	Spread (\$)	Spread (%)	Spread (\$) 3 Month Avg.	Consolidated Avg. Daily Volume (Shares)	Consolidated Average Daily Volume (\$)	Consolidated Avg. Daily Volume (Shares) 3 Month Avg.	Avg. Quote Size (Shares)	Avg. Quote Size (Shares) 3 Month Avg.	Avg. Quote Size (\$)	Avg. Quote Size (\$) 3 Month Avg.	Avg. Trade Size	Daily Volatility (%)	Short Interest as of 04/15/2020
Fixed Income – Municipal														
SHM	SPDR Nuveen Bloomberg Barclays Short Term Municipal Bond ETF	0.03	0.07	0.04	672,641	32,859,170	748,791	2,292	4,308	112,231	211,855	403	0.47	588,072
TFI	SPDR Nuveen Bloomberg Barclays Municipal Bond ETF	0.05	0.10	0.07	791,748	39,620,713	1,232,738	635	1,223	31,859	61,992	80	1.07	383,199
HYMB	SPDR Nuveen S&P High Yield Municipal Bond ETF	0.16	0.31	0.13	467,460	24,976,094	487,981	736	1,261	39,370	73,149	212	1.82	100,617
Fixed Income – International														
WIP	SPDR FTSE International Government Inflation-Protected Bond ETF	0.12	0.25	0.19	45,070	2,198,297	53,641	386	947	18,801	50,492	142	1.12	17,258
BWZ	SPDR Bloomberg Barclays Short Term International Treasury Bond ETF	0.17	0.57	0.18	49,270	1,456,838	97,754	2,170	7,586	64,060	233,997	427	0.91	1,749
BWX	SPDR Bloomberg Barclays International Treasury Bond ETF	0.04	0.14	0.03	441,735	12,206,916	507,372	949	2,139	26,253	60,825	291	1.02	25,679
IBND	SPDR Bloomberg Barclays International Corporate Bond ETF	0.18	0.56	0.19	38,240	1,210,651	65,153	1,030	1,031	32,289	33,483	175	1.40	55,099
EBND	SPDR Bloomberg Barclays Emerging Markets Local Bond ETF	0.05	0.21	0.06	282,735	6,971,145	481,227	1,130	2,379	27,874	63,425	390	1.12	348,394
Commodity														
GLD*	SPDR Gold Shares	0.02	0.01	0.02	12,396,841	1,969,667,993	15,677,079	1,085	3,981	172,244	600,992	135	1.32	11,520,892
GLDM	SPDR Gold MiniShares™ Trust	0.01	0.07	0.01	2,431,556	40,618,296	2,972,185	66,858	320,359	1,125,306	5,127,203	984	1.31	1,275,880
NANR	SPDR S&P North American Natural Resources ETF	0.12	0.47	0.11	72,515	1,838,798	199,216	884	1,633	22,813	47,169	800	2.94	1,498
Active – Asset Allocation														
XLSR	SPDR SSGA US Sector Rotation ETF	0.07	0.25	0.08	14,091	415,373	23,372	10,409	9,330	312,164	291,413	235	1.98	2,514
FISR	SPDR SSGA Fixed Income Sector Rotation ETF	0.08	0.26	0.08	10,966	343,879	16,502	821	4,301	25,747	134,376	253	0.42	10,170
RLY	SPDR SSGA Multi-Asset Real Return ETF	0.09	0.44	0.12	32,448	636,615	44,707	5,574	4,792	109,907	102,040	386	1.38	24,242
INKM	SPDR SSGA Income Allocation ETF	0.05	0.17	0.06	64,405	1,811,403	57,495	1,296	1,441	36,995	44,898	862	1.25	3,323
QAL	SPDR SSGA Global Allocation ETF	0.15	0.46	0.19	28,404	940,249	41,502	7,421	6,962	251,015	249,626	447	1.14	1,024

Source: NYSE, Nasdaq and BATS as of 04/30/2020. Past performance is not a guarantee of future results.

Ticker	ETF Name	Spread (\$)	Spread (%)	Spread (\$) 3 Month Avg.	Consolidated Avg. Daily Volume (Shares)	Consolidated Average Daily Volume (\$)	Consolidated Avg. Daily Volume (Shares) 3 Month Avg.	Avg. Quote Size (Shares)	Avg. Quote Size (Shares) 3 Month Avg.	Avg. Quote Size (\$)	Avg. Quote Size (\$) 3 Month Avg.	Avg. Trade Size	Daily Volatility (%)	Short Interest as of 04/15/2020
Active – Equity														
SYE	SPDR MFS Systematic Core Equity ETF	0.11	0.15	0.12	2,622	193,697	6,763	259	184	19,411	14,374	73	1.49	203
SYG	SPDR MFS Systematic Growth Equity ETF	0.11	0.13	0.13	3,783	311,081	4,754	147	150	12,466	12,756	96	0.95	1,895
SYV	SPDR MFS Systematic Value Equity ETF	0.20	0.37	0.21	4,701	253,068	6,099	320	451	17,251	26,636	117	1.56	83
Active – Fixed Income														
TOTL	SPDR DoubleLine® Total Return Tactical ETF	0.06	0.12	0.05	569,333	27,583,804	670,249	698	1,271	33,877	62,446	266	0.71	221,955
EMTL	SPDR DoubleLine Emerging Markets Fixed Income ETF	0.25	0.54	0.24	15,109	689,363	26,856	1,367	1,801	62,694	88,212	328	0.47	24,415
STOT	SPDR DoubleLine Short Duration Total Return Tactical ETF	0.29	0.60	0.20	35,639	1,733,457	32,739	1,523	1,922	74,241	94,648	177	0.41	2,077
SRLN	SPDR Blackstone / GSO Senior Loan ETF	0.06	0.14	0.05	1,174,288	48,149,183	1,007,144	839	1,744	34,790	77,756	336	1.86	2,817,403
ULST	SPDR SSGA Ultra Short Term Bond ETF	0.05	0.12	0.05	54,025	2,130,276	138,090	2,472	34,315	97,510	1,385,720	340	0.36	191

Source: NYSE, Nasdaq and BATS as of 04/30/2020. Past performance is not a guarantee of future results.

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