



NEW YORK STOCK EXCHANGE

**U.S. EXCHANGE TRADED FUNDS
MONTHLY FLASH**

DECEMBER 2016

NYSE ARCA U.S. EXCHANGE TRADED FUNDS (ETFs)

HIGHLIGHTS FROM DECEMBER 2016

- In December, **7 new ETFs¹** listed on NYSE Arca
 - At the end of December, **1,510 ETFs** were listed on NYSE Arca
- US ETP notional volume represented **28.78%** of all CTA issues in December 2016
- US ETP daily average turnover was approximately **\$76.39** billion in December 2016
- NYSE Arca was at the NBBO **92.43%** of the time, leading all US exchanges
- NYSE Arca had **21.60%** of all US ETP trading volume, leading all US exchanges

¹ETFs include all Exchange Traded Products

NYSE ARCA U.S. EXCHANGE TRADED FUNDS (ETFs)

Top 10 Most Actively Traded Securities in the U.S (by Turnover Volume) December

Symbol	Name	Product Type	Consolidated Trading Volume	Consolidated Turnover Volume (\$)	Average Daily Trading Volume	Average Daily Turnover Volume (\$)
SPY	SPDR S&P 500 ETF Trust	ETF	1,973,652,313	\$443,706,945,828	93,983,443	\$21,128,902,182
IWM	iShares Russell 2000 ETF	ETF	697,310,391	\$94,614,356,565	33,205,257	\$4,505,445,551
AAPL	Apple Inc.	Stock	669,929,822	\$76,484,129,524	31,901,420	\$3,642,101,406
QQQ	PowerShares QQQ Trust, Series 1	ETF	504,133,459	\$59,923,914,874	24,006,355	\$2,853,519,756
AMZN	Amazon.Com Inc	Stock	78,181,633	\$59,670,875,769	3,722,935	\$2,841,470,275
BAC	Bank of America Corporation	Stock	2,510,053,731	\$56,338,567,975	119,526,368	\$2,682,788,951
GDX	VanEck Vectors Gold Miners ETF	ETF	2,613,733,942	\$53,073,201,131	124,463,521	\$2,527,295,292
FB	Facebook, Inc. Class A	Stock	436,055,292	\$51,476,238,963	20,764,538	\$2,451,249,474
EEM	iShares MSCI Emerging Markets ETF	ETF	1,371,130,374	\$48,435,849,873	65,291,923	\$2,306,469,042
NVDA	Nvidia Corp	Stock	472,732,531	\$48,247,696,156	22,511,073	\$2,297,509,341

Top 10 Most Actively Traded ETFs in the U.S. (by Turnover Volume) in December

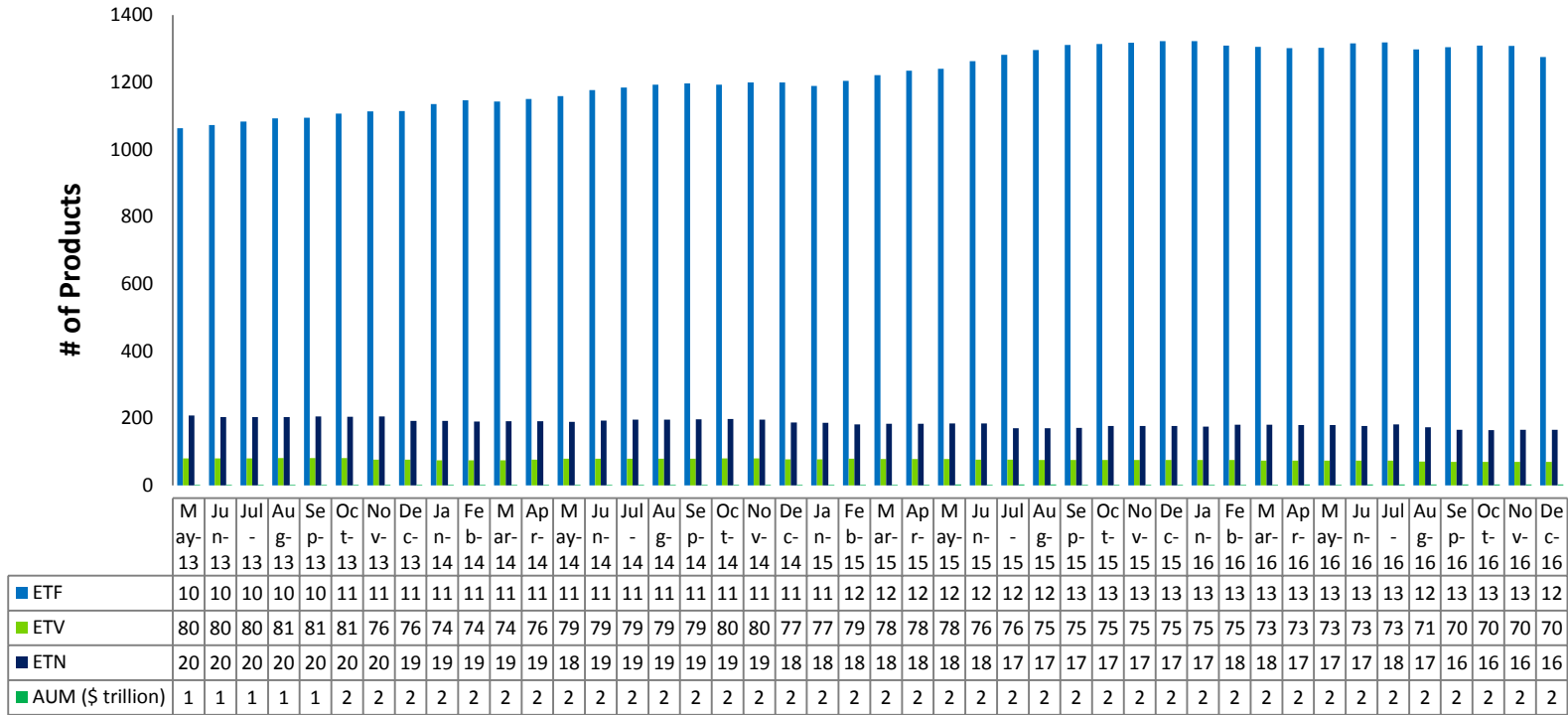
SPY	SPDR S&P 500 ETF Trust	ETF	1,973,652,313	\$443,706,945,828	93,983,443	\$21,128,902,182
IWM	iShares Russell 2000 ETF	ETF	697,310,391	\$94,614,356,565	30,317,843	\$4,505,445,551
QQQ	PowerShares QQQ Trust, Series 1	ETF	504,133,459	\$59,923,914,874	21,918,846	\$2,853,519,756
GDX	VanEck Vectors Gold Miners ETF	ETF	2,613,733,942	\$53,073,201,131	113,640,606	\$2,527,295,292
EEM	iShares MSCI Emerging Markets ETF	ETF	1,371,130,374	\$48,435,849,873	59,614,364	\$2,306,469,042
XLF	Financial Select Sector SPDR Fund	ETF	1,755,033,819	\$41,007,110,027	76,305,818	\$1,952,719,525
XLE	Energy Select Sector SPDR Fund	ETF	377,493,652	\$28,714,460,943	16,412,767	\$1,367,355,283
TLT	iShares 20+ Year Treasury Bond ETF	ETF	241,692,013	\$28,632,484,096	10,508,348	\$1,363,451,624
EFA	iShares MSCI EAFE ETF	ETF	483,621,038	\$28,018,174,441	21,027,002	\$1,334,198,783
GDXJ	VanEck Vectors Junior Gold Miners ETF	ETF	735,035,245	\$23,485,275,732	31,958,054	\$1,118,346,463

NYSE ARCA U.S. EXCHANGE TRADED FUNDS (ETFs)

New ETPs Launched on NYSE Arca in December

Symbol	Listing Date	Name	Product Type	Consolidated Trading Volume	Consolidated Turnover Volume (\$)	Average Daily Trading Volume	Average Daily Turnover Volume (\$)
OUSM	12/30/2016	O'Shares FTSE Russell Small Cap Quality Dividend ETF	ETF	20,300	\$507,805	20,300	\$507,805
WBIY	12/21/2016	WBI Power Factor™ High Dividend ETF	ETF	943,436	\$23,466,250	134,777	\$3,352,321
JHMD	12/16/2016	John Hancock Multifactor Developed International ETF	ETF	3,951,966	\$98,166,495	395,197	\$9,816,650
UWT	12/9/2016	VelocityShares3x Long Crude Oil ETNs linked to the S&P GSCI® Crude Oil Index ER	ETN	30,837,018	\$825,832,532	2,055,801	\$55,055,502
DWT	12/9/2016	VelocityShares 3x Inverse Crude Oil ETNs linked to the S&P GSCI® Crude Oil Index ER	ETN	25,845,283	\$588,824,133	1,723,019	\$39,254,942
HYLB	12/7/2016	Deutsche X-trackers USD High Yield Corporate Bond ETF	ETF	176,018	\$8,860,295	10,354	\$521,194
BLHY	12/6/2016	Virtus Newfleet Dynamic Credit ETF	ETF	3,360,575	\$84,012,785	186,699	\$4,667,377

NYSE ARCA U.S. EXCHANGE TRADED FUNDS (ETFs)



- As of December 2016, 1,967 ETFs are listed in the U.S., 1,510 of which were listed on NYSE Arca
- NYSE Arca listed ETFs have a total AUM of approximately \$2.35 trillion

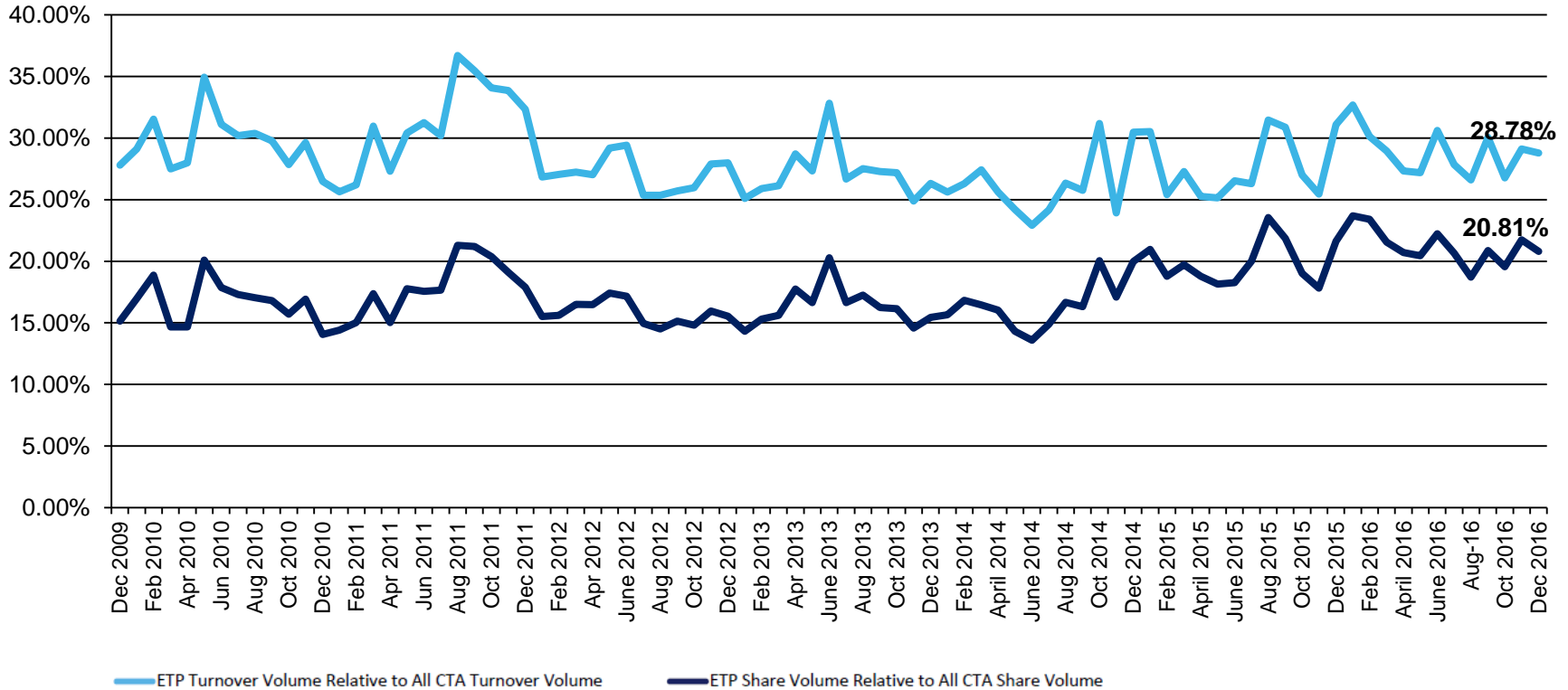
NYSE ARCA ETFs (BY ISSUER)

Issuer	# of ETFs	New in December	New YTD	Turnover
Academy Funds	1			\$7,057,867
AdvisorShares	21		3	\$222,112,829
AlphaClone	2			\$8,033,001
ALPS	18		6	\$2,767,772,186
ARK	4			\$10,107,957
ArrowShares	2			\$30,856,426
Barclays	71		2	\$19,129,733,174
Cambria	3		1	\$41,174,594
Charles Schwab	21			\$9,248,262,127
Citigroup	3		1	\$3,162,965
Columbia Management	14		3	\$241,230,594
Credit Suisse	10		3	\$73,780,382
CSOP	3			\$1,661,809
Deutsche Bank	28			\$2,995,177,175
db X-trackers	26	1 (HYLB)	3	\$3,504,336,395
Diamond Hill	1			\$4,061,250
Direxion Shares	80		11	\$55,166,134,932
ETF Managers Group	4		1	\$8,675,291
ETF Securities	7			\$459,478,305
Exchange Traded Concepts	7		1	\$167,839,802
Fidelity	20		6	\$1,359,293,184
FirstTrust	34		2	\$7,769,963,568
FlexShares	18		1	\$1,430,276,839
Franklin Templeton	7		6	\$136,628,392
Global X	40			\$916,513,487
Goldman Sachs	2			\$1,872,159
Goldman Sachs Asset Management	7		4	\$370,509,646
Guggenheim	76		6	\$8,480,030,130
Hartford Funds	5		1	\$20,832,412
Horizons	1			\$18,417,854
IndexIQ	19		2	\$383,644,966
Invesco PowerShares	87			\$75,340,399,571
iShares	258		2	\$521,377,106,182
Janus	3		3	\$28,497,296
John Hancock	12	1 (JHMD)	6	\$137,172,802

NYSE ARCA ETFs (BY ISSUER)

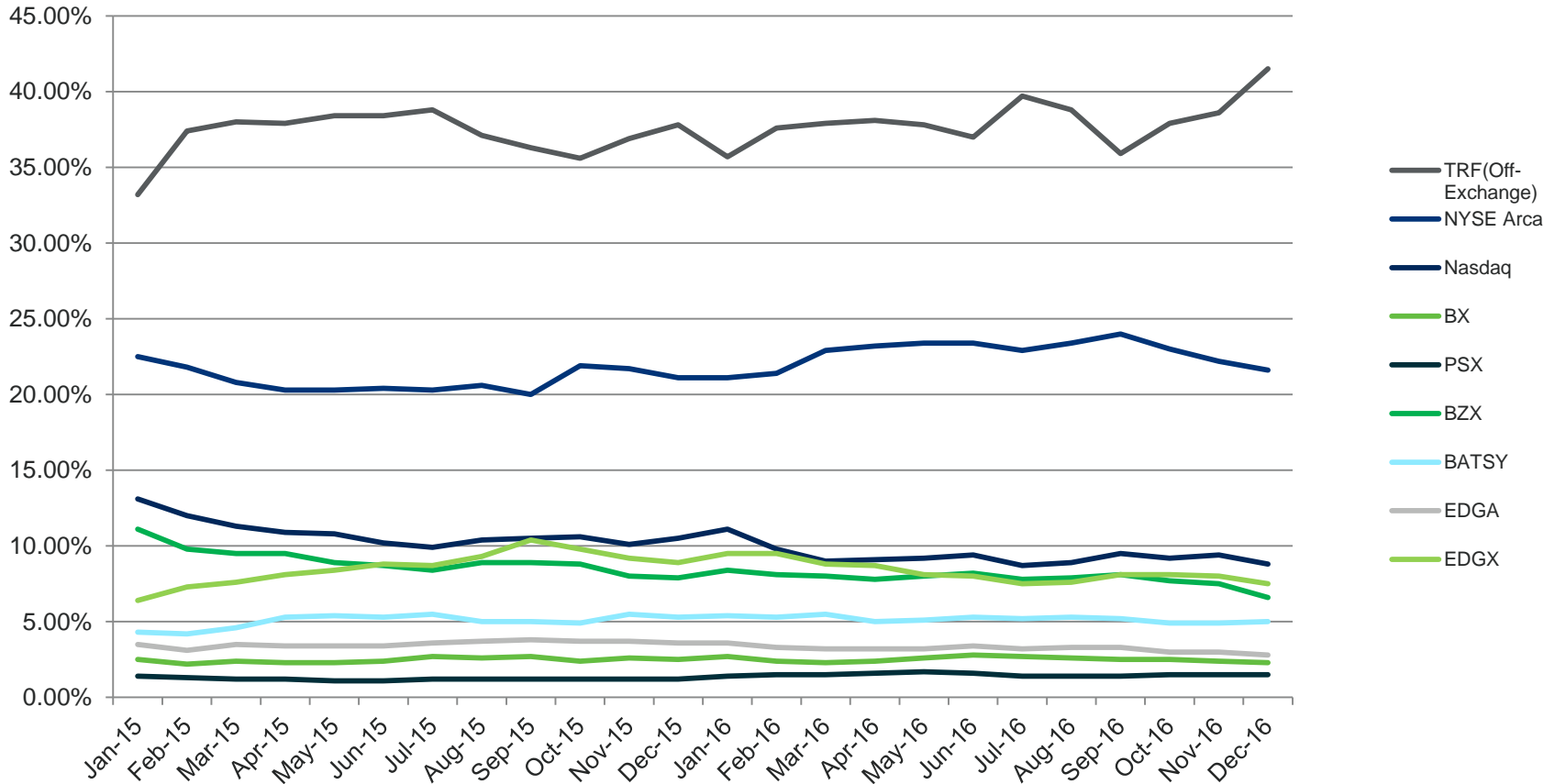
Issuer	# of ETFs	New in December	New YTD	Turnover
JPMorgan Chase & Co.	1			\$1,288,807,443
JP Morgan ETFs	10		5	\$252,524,347
Krane Shares	3			\$130,535,059
LocalShares	1			\$4,708,632
Merk	1			\$23,886,029
Morgan Stanley	5			\$9,089,736
Natixis	1		1	\$127,998
Nuveen	1		1	\$52,725,098
Oppenheimer	9		2	\$321,996,139
O'Shares	6	1(OUSM)	1	\$117,166,893
PIMCO	14			\$3,480,222,287
Principal	1			\$4,004,583
ProShares	120			\$55,574,955,436
PureFunds	6		2	\$202,467,880
QuantShares	5			\$7,573,414
RealityShares	1			\$11,009,583
Reaves	1		1	\$1,904,220
Recon	1		1	\$50
Renaissance Capital	2			\$1,429,726
RexShares	2		2	\$6,814,559
Royal Bank of Canada	1			\$2,111,901
SPDR ETFs	146		6	\$736,285,376,433
Sprott Asset Management	6		1	\$496,736,003
Strategy Shares	2			\$4,456,175
Swedish Export Credit (SEK)	7			\$49,871,034
Teucrium	5			\$64,563,185
Tortoise	1			\$14,859,832
UBS	39		5	\$827,407,799
United States Commodity Funds LLC	13		1	\$12,222,433,280
U.S. Global Investors	1			\$32,082,317
VanEck Vectors	53		3	\$95,613,983,305
Vanguard	49			\$104,580,012,434
VelocityShares	7	2 (UWT,DWT)	5	\$26,068,218,278
Virtus ETF Solutions	3	1 (BLHY)	1	\$205,501,258
WBI	12	1(WBIY)	2	\$179,007,125
WisdomTree	59		1	\$15,432,011,574

U.S. ETF CONSOLIDATED VOLUMES



- During the month of December, U.S. ETF CADV was 1.43 billion and daily notional value was \$76.39 billion
- By the end of December, U.S. ETF share and notional volume represented 20.81% and 28.78%, respectively of all CTA issues

U.S. ETF MARKET SHARE BY TRADING VENUE



- In December 2016, NYSE Arca led all exchanges with an ETF trading market share of 21.60%
- ETF trades occurring off-exchange in December 2016 represented 41.50%

CONTACT US

- For more information, visit www.nyse.com/products/etf
- Email us at: etf@nyse.com

©2016 NYSE. All rights reserved. NYSE and its affiliates do not recommend or make any representation as to possible benefits from any securities or investments, or third-party products or services. Investors should undertake their own due diligence regarding their securities and investment practices.