

UTP Q4 2018

U.S. EQUITIES SECURITIES INFORMATION PROCESSOR (UTP SIP) KEY QUARTERLY OPERATING METRICS OF TAPE C

The statistics below represent Population, Quote and Trade metrics as provided by the Securities Information Processors (SIP) and the SIP Administrator responsible for disseminating UTP Level 1 trade and quote information in NASDAQ ("Tape C") listed securities traded on participating U.S. exchanges.¹ The UTP Plan for Tape C has provided this information as a means to increase transparency related to the activities of the U.S. consolidated tape plans.

TAPE C SUBSCRIBER/HOUSEHOLD METRICS

Quarter	Capped Non-Professional Subscribers (Quarter-End)	Quote Usage (Total; Excludes Capped Subscribers)	Professional Subscribers (Quarter-End)	Households (Quarter-End)	Real-Time Internal Only Vendors (Quarter-End)	Real-Time External Vendors (Quarter-End)	Non-Display Vendors (Quarter-End)
1Q 2014	2,879,075	666,202,789	285,913	147,003,114	338	404	NA
2Q 2014	2,671,920	645,106,685	259,728	148,532,450	367	368	NA
3Q 2014	2,663,160	611,001,796	256,986	149,457,746	375	363	NA
4Q 2014	2,562,470	582,930,471	256,221	148,847,126	384	358	NA
1Q 2015	2,731,280	618,418,754	253,034	145,667,176	350	353	325
2Q 2015	2,777,403	536,965,855	247,432	153,762,745	333	350	284
3Q 2015	2,903,175	516,227,827	249,066	153,347,824	329	349	290
4Q 2015	2,759,717	537,331,773	262,065	152,049,960	326	340	285
1Q 2016	2,726,720	485,909,937	264,939	152,005,840	324	336	284
2Q 2016	2,763,985	503,615,964	278,816	153,164,410	314	336	280
3Q 2016	2,916,910	499,523,526	277,098	153,403,436	316	335	284
4Q 2016	2,807,292	462,110,052	274,658	152,025,096	312	333	287
1Q 2017	3,096,928	491,129,027	271,493	151,272,039	314	330	291
2Q 2017	3,014,408	494,878,792	274,793	150,764,654	326	319	294
3Q 2017	3,030,000	475,041,215	281,125	151,066,500	328	305	292
4Q 2017	3,292,270	485,171,093	280,623	146,252,731	325	298	286
1Q 2018	3,818,055	537,351,837	295,922	146,084,856	320	287	296
2Q 2018	3,669,805	470,250,671	287,244	147,326,038	330	276	300
3Q 2018	3,713,954	480,701,891	290,966	147,549,195	329	278	306
4Q 2018	3,436,453	511,526,871	289,965	146,788,195	330	272	302

DEFINITIONS

- (1) **Capped Nonprofessionals** includes data usage by those defined pursuant to the Nonprofessional Subscriber policy paying the flat per Subscriber rate. Includes Nonprofessionals paying on a per-quote basis that are capped at \$1.00/month.
- (2) **Quote Usage** includes data usage for those Professionals that choose to report on a Per Query basis as well as Nonprofessionals that are not capped at \$1.00/month.
- (3) **Professional Subscribers** are deemed to be those that do not meet the criteria defined pursuant to the Nonprofessional Subscriber policy paying on a per device basis.
- (4) **Households** provide an estimate of households reached based on usage reporting of cable television broadcast data. * Numbers have been slightly adjusted to reflect correct reporting.
- (5) **Real-Time Internal Only Vendors** are Data Feed Recipients that only use the data internally.
- (6) **Real-Time External Vendors** are Data Feed Recipients that redistribute data externally outside their firm, as well as any applicable internal use.
- (7) **Non-Display Vendors** are Data Feed Recipients that use the data for Non-Display, as well as any other applicable use.
- (8) **NA** means 'Not Applicable' as the metrics were not available for this time period.

¹ Current members of the Tape C Plan are available at <http://www.utpplan.com/participants>