



Canadian Healthcare Investor Report

For 30-days prior to June 19 2020

Trading:

Coverage:

Table 1: Change in Ownership Positions Over Past 30-Days

Ticker	Investor	Position	dPosition
GUD-CA	QV Investors, Inc.	3756530	-127460
GUD-CA	RBC Global Asset Management, Inc.	1779179	18870
GUD-CA	BMO Asset Management, Inc.	1278598	-2398
GUD-CA	Invesco Capital Management LLC	966400	1588
GUD-CA	BlackRock Fund Advisors	441057	3250
GUD-CA	CI Investments, Inc.	344388	8766
GUD-CA	TD Asset Management, Inc.	285469	209
GUD-CA	BlackRock Asset Management Canada Ltd.	154859	-9547
GUD-CA	SSgA Funds Management, Inc.	92862	-2601
TBP-CA	Penserra Capital Management LLC	775978	-2021
TBP-CA	Global X Management Co. LLC	572439	572439
ZYME-US	IA Clarington Investments, Inc.	51400	4590
ZYME-US	Industrial Alliance Investment Management, Inc.	23300	1000
ZYME-US	Credit Suisse Asset Management (Schweiz) AG	16636	16636
ZYME-US	KLP Kapitalforvaltning AS	4000	4000
ZYME-US	Taylor Asset Management, Inc. (Canada)	1802	1041

Universe:

Table 2: Absolute Trading Volume Over Past 30-Days by Fund

Investor	Volume
Armistice Capital LLC	2067939
OrbiMed Advisors LLC	1888616
Sabby Capital LLC	1008828
CI Investments, Inc.	959038
Ruffer LLP	652174
Global X Management Co. LLC	572439
Avoro Capital Advisor LLC	560000
Polar Asset Management Partners, Inc.	285000
AGF Investments, Inc.	243524
QV Investors, Inc.	150160
Southpoint Capital Advisors LP	80000
Credit Suisse Asset Management (Schweiz) AG	76318
United Income, Inc. (District of Columbia)	63000
BlackRock Asset Management Canada Ltd.	54867
State Street Global Advisors Ltd.	40598
IA Clarington Investments, Inc.	37990
Navellier & Associates, Inc.	31400
Cypress Capital Management Ltd. (Canada)	25400
KLP Kapitalforvaltning AS	20500
Fiera Capital Corp. (Investment Management)	20151
RBC Global Asset Management, Inc.	18872
SSgA Funds Management, Inc.	12218
Horizons ETFs Management (Canada), Inc.	10099
Swedbank Robur Fonder AB	8000
TD Asset Management, Inc.	6876
Cumberland Private Wealth Management, Inc.	5400
BlackRock Fund Advisors	4400
Vident Investment Advisory LLC	3502
BMO Asset Management, Inc.	3212
Invesco Capital Management LLC	3019
ProShare Advisors LLC	2482
ProFund Advisors LLC	2099
Penserra Capital Management LLC	2021
Allianz Global Investors U.S. LLC	1334
Janus Capital Management LLC	1332
Taylor Asset Management, Inc. (Canada)	1041
Charles Schwab Investment Management, Inc.	1015
Industrial Alliance Investment Management, Inc.	1000
Lyxor International Asset Management SAS	827
Assenagon Asset Management SA (Germany)	287
American Century Investment Management, Inc.	176

Total Trading Summary

Table 3: Net Total Change in Position Over Past 30-Days by Company

	Ticker	Investor	Position	dPosition
160	APS-CA	BlackRock Asset Management Canada Ltd.	68817	-6097
176	APS-CA	Horizons ETFs Management (Canada), Inc.	10099	10099
243	AUP-CA	BlackRock Asset Management Canada Ltd.	96907	-8306
299	AUP-CA	SSgA Funds Management, Inc.	10861	931
844	BLU-CA	OrbiMed Advisors LLC	5137216	-1888616
875	BLU-CA	BlackRock Asset Management Canada Ltd.	37119	-3283
882	BLU-CA	Credit Suisse Asset Management (Schweiz) AG	18955	18955
883	BLU-CA	CI Investments, Inc.	17679	3700
891	BLU-CA	KLP Kapitalforvaltning AS	4400	4400
971	CRH-CA	BlackRock Asset Management Canada Ltd.	74535	-6601
977	CRH-CA	SSgA Funds Management, Inc.	60905	-2316
1013	DR-CA	Charles Schwab Investment Management, Inc.	181078	-1015
1018	DR-CA	BlackRock Asset Management Canada Ltd.	32562	-2884
1020	DR-CA	SSgA Funds Management, Inc.	15745	-599
1021	DR-CA	TD Asset Management, Inc.	15640	-6417
1029	DR-CA	Invesco Capital Management LLC	475	-1080
1046	FRX-CA	Southpoint Capital Advisors LP	4077214	80000
1047	FRX-CA	Avoro Capital Advisor LLC	1665999	560000
1081	GUD-CA	QV Investors, Inc.	3756530	-127460
1086	GUD-CA	RBC Global Asset Management, Inc.	1779179	18870
1088	GUD-CA	BMO Asset Management, Inc.	1278598	-2398
1091	GUD-CA	Invesco Capital Management LLC	966400	1588
1094	GUD-CA	BlackRock Fund Advisors	441057	3250
1095	GUD-CA	CI Investments, Inc.	344388	8766
1096	GUD-CA	TD Asset Management, Inc.	285469	209
1100	GUD-CA	BlackRock Asset Management Canada Ltd.	154859	-9547
1106	GUD-CA	SSgA Funds Management, Inc.	92862	-2601
1154	HLS-CA	Fiera Capital Corp. (Investment Management)	65964	11379
1156	HLS-CA	QV Investors, Inc.	43300	22700
1162	HLS-CA	Credit Suisse Asset Management (Schweiz) AG	10094	10094
1164	HLS-CA	American Century Investment Management, Inc.	2545	176
1219	IMV-CA	Ruffer LLP	7453399	652174
1240	IMV-CA	Vident Investment Advisory LLC	8368	-3502
1252	JWEL-CA	Fiera Capital Corp. (Investment Management)	1534516	-8772
1255	JWEL-CA	RBC Global Asset Management, Inc.	995307	2
1258	JWEL-CA	AGF Investments, Inc.	354140	-243524
1264	JWEL-CA	BlackRock Fund Advisors	220585	1150
1266	JWEL-CA	Invesco Capital Management LLC	212518	351
1273	JWEL-CA	TD Asset Management, Inc.	79307	250
1276	JWEL-CA	BMO Asset Management, Inc.	65322	-814
1279	JWEL-CA	BlackRock Asset Management Canada Ltd.	52796	-3617
1280	JWEL-CA	Cypress Capital Management Ltd. (Canada)	50000	-25400
1286	JWEL-CA	Swedbank Robur Fonder AB	25500	8000
1287	JWEL-CA	SSgA Funds Management, Inc.	24867	-312
1312	JWEL-CA	Lyxor International Asset Management SAS	827	827
1357	NRI-CA	Polar Asset Management Partners, Inc.	1690000	-285000
1358	NVCN-CA	Sabby Capital LLC	1008828	1008828
1482	RX-CA	CI Investments, Inc.	1259800	-942093

	Ticker	Investor	Position	dPosition
1487	SQD-CA	Cumberland Private Wealth Management, Inc.	4119065	-5400
1490	TBP-CA	Penserra Capital Management LLC	775978	-2021
1492	TBP-CA	Global X Management Co. LLC	572439	572439
1509	TH-CA	BlackRock Asset Management Canada Ltd.	78399	-6944
1516	TH-CA	SSgA Funds Management, Inc.	50935	-5045
1519	TH-CA	CI Investments, Inc.	33544	4479
1564	TMD-CA	Armistice Capital LLC	2067939	2067939
1570	TMD-CA	United Income, Inc. (District of Columbia)	95500	-63000
1572	TMD-CA	BlackRock Asset Management Canada Ltd.	50672	-4487
1667	VBIV-US	State Street Global Advisors Ltd.	40598	40598
1691	VBIV-US	ProShare Advisors LLC	11572	2482
1697	VBIV-US	ProFund Advisors LLC	7522	2099
1700	VBIV-US	Allianz Global Investors U.S. LLC	7066	1334
1708	VBIV-US	Assenagon Asset Management SA (Germany)	3449	-287
1740	VMD-CA	IA Clarington Investments, Inc.	131963	-33400
1758	VMD-CA	BlackRock Asset Management Canada Ltd.	35006	-3101
1759	VMD-CA	Navellier & Associates, Inc.	31400	31400
1769	VMD-CA	Credit Suisse Asset Management (Schweiz) AG	16948	16948
1778	VMD-CA	SSgA Funds Management, Inc.	10836	-414
1781	VMD-CA	KLP Kapitalforvaltning AS	8600	8600
1782	VMD-CA	Janus Capital Management LLC	8413	-1332
1850	XENE-US	Credit Suisse Asset Management (Schweiz) AG	13685	13685
1860	XENE-US	KLP Kapitalforvaltning AS	3500	3500
1927	ZYME-US	IA Clarington Investments, Inc.	51400	4590
1944	ZYME-US	Industrial Alliance Investment Management, Inc.	23300	1000
1951	ZYME-US	Credit Suisse Asset Management (Schweiz) AG	16636	16636
1982	ZYME-US	KLP Kapitalforvaltning AS	4000	4000
1988	ZYME-US	Taylor Asset Management, Inc. (Canada)	1802	1041

Holder:

Antibe Therapeutics (ATE-CA)

Investor	Position	dPosition	Value	%OS
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Knight Therapeutics (GUD-CA)

	Investor	Position	dPosition	Value	%OS
1081	QV Investors, Inc.	3756530	-127460	19456721.74	2.7748
1082	EdgePoint Investment Group, Inc.	2992630	0	15500147.53	2.2105
1083	Dimensional Fund Advisors LP	2443704	0	12657018.25	1.8050
1084	GLC Asset Management Group Ltd.	2434235	0	12607974.13	1.7980
1085	Janus Capital Management LLC	2159868	0	11186906.71	1.5954
1086	RBC Global Asset Management, Inc.	1779179	18870	9215150.88	1.3142
1087	Fidelity (Canada) Asset Management ULC	1735000	0	8986328.40	1.2816
1088	BMO Asset Management, Inc.	1278598	-2398	6622421.63	0.9444
1089	BC Investment Management Corp.	1159121	0	6003597.67	0.8562
1090	Mackenzie Financial Corp.	1094605	0	5669440.92	0.8085
1091	Invesco Capital Management LLC	966400	1588	5005410.82	0.7138
1092	Van Berkomp & Associates, Inc.	807459	0	4182185.44	0.5964
1093	Fidelity Management & Research Co. LLC	559089	0	2895767.93	0.4130
1094	BlackRock Fund Advisors	441057	3250	2284428.27	0.3258
1095	CI Investments, Inc.	344388	8766	1783736.98	0.2544
1096	TD Asset Management, Inc.	285469	209	1478569.56	0.2109
1097	Picton Mahoney Asset Management	276520	0	1432218.75	0.2043
1098	Franklin Bissett Investment Management	217000	0	1123938.48	0.1603
1099	Royce & Associates LP	187000	0	968555.28	0.1381
1100	BlackRock Asset Management Canada Ltd.	154859	-9547	802082.90	0.1144
1101	Dimensional Fund Advisors Ltd.	136660	0	707822.27	0.1009
1102	QS Investors LLC	132744	0	687539.58	0.0981
1103	TIAA-CREF Investment Management LLC	123289	0	638567.98	0.0911
1104	North Growth Management Ltd.	115000	0	595635.60	0.0849
1105	Mawer Investment Management Ltd.	99309	0	514365.01	0.0734
1106	SSgA Funds Management, Inc.	92862	-2601	480973.16	0.0686
1107	Sun Life Global Investments (Canada), Inc.	90773	0	470153.31	0.0670
1108	Account Management LLC	86700	0	449057.45	0.0640
1109	Goldman Sachs Asset Management International	81000	0	419534.64	0.0598
1110	CI Global Investments, Inc.	72405	0	375017.35	0.0535
1111	Pictet Asset Management SA	70914	0	367294.81	0.0524
1112	PCJ Investment Counsel Ltd.	64600	0	334591.82	0.0477
1113	Credit Suisse Asset Management (Schweiz) AG	59175	0	306493.36	0.0437
1114	CIBC Asset Management, Inc.	52558	0	272221.01	0.0388
1115	Brandes Investment Partners LP	51388	0	266161.06	0.0380
1116	Arrow Capital Management, Inc.	49900	0	258454.06	0.0369
1117	The Vanguard Group, Inc.	49855	0	258220.98	0.0368
1118	Vanguard Investments Australia Ltd.	46752	0	242149.18	0.0345
1119	UBS Asset Management (UK) Ltd.	46400	0	240326.02	0.0343
1120	NFS Netfonds Financial Service GmbH	44000	0	227895.36	0.0325
1121	State Street Global Advisors Ltd. (Canada)	40546	0	210005.57	0.0299
1122	Hillsdale Investment Management, Inc.	31400	0	162634.42	0.0232
1123	Geode Capital Management LLC	30762	0	159329.93	0.0227

	Investor	Position	dPosition	Value	%OS
1124	Gesiuris Asset Management SGIIC SA	22512	0	116599.55	0.0166
1125	BlackRock Investment Management (UK) Ltd.	18846	0	97611.73	0.0139
1126	MD Financial Management, Inc.	16974	0	87915.81	0.0125
1127	Guardians of New Zealand Superannuation	15647	0	81042.70	0.0116
1128	KLP Kapitalforvaltning AS	13700	0	70958.33	0.0101
1129	Handelsbanken Fonder AB	13000	0	67332.72	0.0096
1130	Northern Trust Investments, Inc.(Investment Management)	11684	0	60516.58	0.0086
1131	BlackRock Advisors (UK) Ltd.	11300	0	58527.67	0.0083
1132	Russell Investments Canada Ltd.	9945	0	51509.53	0.0073
1133	Zurcher Kantonalbank (Investment Management)	9780	0	50654.92	0.0072
1134	Legal & General Investment Management Ltd.	6567	0	34013.38	0.0049
1135	Empire Life Investments, Inc.	6326	0	32765.14	0.0047
1136	State Street Global Advisors Ltd.	6030	0	31232.02	0.0045
1137	American Century Investment Management, Inc.	4998	0	25886.84	0.0037
1138	Triasima Portfolio Management, Inc.	3594	0	18614.91	0.0027
1139	ATB Investment Management, Inc.	2093	0	10840.57	0.0015
1140	Asset Management One Co., Ltd.	1826	0	9457.66	0.0013
1141	AllianceBernstein LP	700	0	3625.61	0.0005
1142	Foyston, Gordon & Payne, Inc.	200	0	1035.89	0.0001
1143	Graubundner Kantonalbank (Private Banking)	95	0	492.05	0.0001

Profound Medical (PRN-CA)

	Investor	Position	dPosition	Value	%OS
1437	Fidelity (Canada) Asset Management ULC	865425	0	10478055.30	5.3811
1438	Gagnon Securities LLC	767926	0	9297594.93	4.7749
1439	Pura Vida Investments LLC	542256	0	6565315.72	3.3717
1440	Redmile Group LLC	400000	0	4842964.00	2.4872
1441	AWM Investment Co., Inc.	348939	0	4224747.54	2.1697
1442	Royce & Associates LP	293000	0	3547471.13	1.8218
1443	Gagnon Advisors LLC	256813	0	3109340.28	1.5968
1444	Timelo Investment Management, Inc.	231250	0	2799838.56	1.4379
1445	EAM Global Investors LLC	223430	0	2705158.62	1.3893
1446	Blackcrane Capital LLC	222547	0	2694467.77	1.3838
1447	RTW Investments LP	174193	0	2109026.07	1.0831
1448	Renaissance Technologies LLC	120180	0	1455068.53	0.7473
1449	Taylor Wealth Management Partners LLC	119159	0	1442706.87	0.7409
1450	PCJ Investment Counsel Ltd.	94420	0	1143181.65	0.5871
1451	Alyeska Investment Group LP	89940	0	1088940.46	0.5592
1452	EAM Investors LLC	63602	0	770055.49	0.3955
1453	Bank of America, NA (Private Banking)	33186	0	401796.51	0.2063
1454	North Growth Management Ltd.	32000	0	387437.12	0.1990
1455	Millennium Management LLC	29200	0	353536.37	0.1816
1456	Purpose Investments, Inc.	21310	0	258008.91	0.1325
1457	BMO Asset Management, Inc.	20750	0	251228.76	0.1290
1458	Citadel Advisors LLC	19234	0	232873.92	0.1196
1459	Raymond James Financial Services Advisors, Inc.	15356	0	185921.39	0.0955
1460	Two Sigma Investments LP	14500	0	175557.44	0.0902
1461	CIBC World Markets, Inc.	12989	0	157263.15	0.0808
1462	Arrow Capital Management, Inc.	12000	0	145288.92	0.0746
1463	Principal Global Investors (Europe) Ltd.	11390	0	137903.40	0.0708

	Investor	Position	dPosition	Value	%OS
1464	Morgan Stanley Smith Barney LLC (Invst Mgmt)	10850	0	131365.40	0.0675
1465	Raymond James & Associates, Inc. (Invst Mgmt)	10400	0	125917.06	0.0647
1466	RBC Dominion Securities, Inc. (Investment Management)	3044	0	36854.96	0.0189
1467	UBS Financial Services, Inc.	2200	0	26636.30	0.0137
1468	JPMorgan Securities LLC (Investment Management)	1735	0	21006.36	0.0108
1469	DWS Investment GmbH	1500	0	18161.12	0.0093
1470	UBS Securities LLC	1345	0	16284.47	0.0084
1471	RBC Private Counsel (USA), Inc.	1310	0	15860.71	0.0081
1472	Merrill Lynch Canada, Inc.	1200	0	14528.89	0.0075
1473	Morgan Stanley Canada Ltd.	1200	0	14528.89	0.0075
1474	Morgan Stanley & Co. LLC	1138	0	13778.23	0.0071
1475	KMS Financial Services, Inc.	760	0	9201.63	0.0047
1476	Sowell Financial Services LLC	700	0	8475.19	0.0044
1477	Wells Fargo Clearing Services LLC	300	0	3632.22	0.0019
1478	Woodbury Financial Services, Inc.	200	0	2421.48	0.0012

Spectral Medical (EDT-CA)

Investor	Position	dPosition	Value	%OS
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Tetra Bio-Pharma (TBP-CA)

	Investor	Position	dPosition	Value	%OS
1489	Horizons ETFs Management (Canada), Inc.	1097515	0	177391.35	0.3894
1490	Penserra Capital Management LLC	775978	-2021	125421.32	0.2753
1491	Baader Bank AG (Investment Management)	763712	0	123438.77	0.2710
1492	Global X Management Co. LLC	572439	572439	92523.32	0.2031
1493	Purpose Investments, Inc.	244365	0	39496.71	0.0867
1494	IBI Mutual Funds Management (1978) Ltd.	98298	0	15887.91	0.0349
1495	Davy Global Fund Management Ltd.	17800	0	2877.01	0.0063

Zymeworks

	Investor	Position	dPosition	Value	%OS
1871	Perceptive Advisors LLC	3560999	0	129976463.5	7.8195
1872	Fidelity Management & Research Co. LLC	3249574	0	118609451.0	7.1357
1873	Fidelity (Canada) Asset Management ULC	3158979	0	115302733.5	6.9367
1874	Great Point Partners LLC	2324688	0	84851112.0	5.1047
1875	Farallon Capital Management LLC	1750000	0	63875000.0	3.8428
1876	Baker Bros. Advisors LP	1708472	0	62359228.0	3.7516
1877	Polar Capital LLP	965151	0	35228011.5	2.1194
1878	T. Rowe Price Associates, Inc. (Investment Management)	960406	0	35054819.0	2.1089
1879	Credit Suisse Securities (USA) LLC (Broker)	905006	0	33032719.0	1.9873
1880	Redmile Group LLC	868600	0	31703900.0	1.9073
1881	Point72 Asset Management LP	830507	0	30313505.5	1.8237
1882	Renaissance Technologies LLC	799747	0	29190765.5	1.7561
1883	Cormorant Asset Management LP	700000	0	25550000.0	1.5371
1884	OrbiMed Advisors LLC	582302	0	21254023.0	1.2787

	Investor	Position	dPosition	Value	%OS
1885	Franklin Advisers, Inc.	491615	0	17943947.5	1.0795
1886	Two Sigma Advisers LP	474200	0	17308300.0	1.0413
1887	Woodline Partners LP	444334	0	16218191.0	0.9757
1888	Citadel Advisors LLC	425486	0	15530239.0	0.9343
1889	HealthCor Management LP	416700	0	15209550.0	0.9150
1890	BNP Paribas Asset Management USA, Inc.	398166	0	14533059.0	0.8743
1891	HBM Partners AG (Investment Management)	397330	0	14502545.0	0.8725
1892	Pictet Asset Management SA	332340	0	12130410.0	0.7298
1893	Lord, Abbett & Co. LLC	319695	0	11668867.5	0.7020
1894	Logos Global Management LP	304417	0	11111220.5	0.6685
1895	Marshall Wace North America LP	298824	0	10907076.0	0.6562
1896	Two Sigma Investments LP	271914	0	9924861.0	0.5971
1897	D. E. Shaw & Co. LP	266509	0	9727578.5	0.5852
1898	Victory Capital Management, Inc. (Investment Management)	250392	0	9139308.0	0.5498
1899	Wells Capital Management, Inc.	248234	0	9060541.0	0.5451
1900	BlackRock Advisors LLC	246147	0	8984365.5	0.5405
1901	Pictet Asset Management Ltd.	232808	0	8497492.0	0.5112
1902	Candriam Belgium SA	232269	0	8477818.5	0.5100
1903	Alyeska Investment Group LP	227371	0	8299041.5	0.4993
1904	Sphera Funds Management Ltd.	206830	0	7549295.0	0.4542
1905	Morgan Stanley & Co. LLC	187239	0	6834223.5	0.4112
1906	Peregrine Capital Management LLC	179509	0	6552078.5	0.3942
1907	FIAM LLC	165000	0	6022500.0	0.3623
1908	Millennium Management LLC	155901	0	5690386.5	0.3423
1909	First Light Asset Management LLC	144909	0	5289178.5	0.3182
1910	UBS Asset Management (Americas) Inc.	141499	0	5164713.5	0.3107
1911	Opaleye Management, Inc.	133000	0	4854500.0	0.2921
1912	Acadian Asset Management LLC	132725	0	4844462.5	0.2914
1913	Picton Mahoney Asset Management	131802	0	4810773.0	0.2894
1914	Matthews International Capital Management LLC	129700	0	4734050.0	0.2848
1915	Raymond James & Associates, Inc. (Invst Mgmt)	118544	0	4326856.0	0.2603
1916	Santander Asset Management SA SGIIC	100000	0	3650000.0	0.2196
1917	The California Public Employees Retirement System	86806	0	3168419.0	0.1906
1918	BofA Securities, Inc.	85566	0	3123159.0	0.1879
1919	Goldman Sachs & Co. LLC (Private Banking)	81304	0	2967596.0	0.1785
1920	Bank of America, NA (Private Banking)	80875	0	2951937.5	0.1776
1921	ALPS Advisors, Inc.	80560	0	2940440.0	0.1769
1922	Bogle Investment Management LP	76414	0	2789111.0	0.1678
1923	Taylor Wealth Management Partners LLC	75511	0	2756151.5	0.1658
1924	FIL Investment Advisors (UK) Ltd.	66322	0	2420753.0	0.1456
1925	Soleus Capital Management LP (Investment Management)	61528	0	2245772.0	0.1351
1926	Platinum Investment Management Ltd.	52327	0	1909935.5	0.1149
1927	IA Clarington Investments, Inc.	51400	4590	1876100.0	0.1129
1928	North Growth Management Ltd.	49000	0	1788500.0	0.1076
1929	Marathon Capital Management LLC	48660	0	1776090.0	0.1069
1930	TIAA-CREF Investment Management LLC	46126	0	1683599.0	0.1013
1931	Raymond James Financial Services Advisors, Inc.	42377	0	1546760.5	0.0931
1932	Ecor1 Capital LLC	41407	0	1511355.5	0.0909
1933	Nuveen Asset Management LLC	37165	0	1356522.5	0.0816
1934	Vident Investment Advisory LLC	33883	0	1236729.5	0.0744
1935	DAFNA Capital Management LLC	32000	0	1168000.0	0.0703
1936	TD Asset Management, Inc.	30410	0	1109965.0	0.0668

	Investor	Position	dPosition	Value	%OS
1937	Aigen Investment Management LP	28928	0	1055872.0	0.0635
1938	Magnus Financial Group LLC	28846	0	1052879.0	0.0633
1939	Wells Fargo Clearing Services LLC	26528	0	968272.0	0.0583
1940	ArrowMark Colorado Holdings LLC	25000	0	912500.0	0.0549
1941	Tavistock Life Sciences Co. (Investment Management)	25000	0	912500.0	0.0549
1942	Evoke Wealth LLC	23898	0	872277.0	0.0525
1943	Arbrook Investors Ltd.	23624	0	862276.0	0.0519
1944	Industrial Alliance Investment Management, Inc.	23300	1000	850450.0	0.0512
1945	University of Notre Dame (Investment Management)	22890	0	835485.0	0.0503
1946	Diametric Capital LP	21469	0	783618.5	0.0471
1947	Macquarie Investment Management Business Trust	20147	0	735365.5	0.0442
1948	Fred Alger Management LLC	20000	0	730000.0	0.0439
1949	Weiss Multi-Strategy Advisers LLC	19261	0	703026.5	0.0423
1950	Bellevue Asset Management AG	18400	0	671600.0	0.0404
1951	Credit Suisse Asset Management (Schweiz) AG	16636	16636	607214.0	0.0365
1952	DWS Investment Management Americas, Inc.	16315	0	595497.5	0.0358
1953	Blackstone Alternative Investment Advisors LLC	16300	0	594950.0	0.0358
1954	Managed Account Advisors LLC	15666	0	571809.0	0.0344
1955	Stifel Nicolaus & Co., Inc. (Investment Management)	15383	0	561479.5	0.0338
1956	Norges Bank Investment Management	15291	0	558121.5	0.0336
1957	Tekla Capital Management LLC	15192	0	554508.0	0.0334
1958	Capital Fund Management SA	14491	0	528921.5	0.0318
1959	Prelude Capital Management LLC	14309	0	522278.5	0.0314
1960	Squarepoint OPS LLC	13516	0	493334.0	0.0297
1961	Cornerstone Investment Partners LLC	12409	0	452928.5	0.0272
1962	SSgA Funds Management, Inc.	11788	0	430262.0	0.0259
1963	Jane Street Capital LLC	11611	0	423801.5	0.0255
1964	Morgan Stanley Canada Ltd.	11400	0	416100.0	0.0250
1965	JPMorgan Securities LLC (Investment Management)	10854	0	396171.0	0.0238
1966	CIBC World Markets, Inc.	10785	0	393652.5	0.0237
1967	Arrow Capital Management, Inc.	10000	0	365000.0	0.0220
1968	Gratus Capital LLC	10000	0	365000.0	0.0220
1969	KJ Harrison & Partners, Inc.	10000	0	365000.0	0.0220
1970	Northern Trust Investments, Inc.(Investment Management)	9918	0	362007.0	0.0218
1971	Chartwell Investment Partners LLC	9332	0	340618.0	0.0205
1972	Pennsylvania Public School Employees Retirement System	9086	0	331639.0	0.0200
1973	SEI Investments Management Corp.	9000	0	328500.0	0.0198
1974	BMO Asset Management, Inc.	8686	0	317039.0	0.0191
1975	Virtus ETF Advisers LLC	8557	0	312330.5	0.0188
1976	SG Americas Securities LLC	7208	0	263092.0	0.0158
1977	RBC Capital Markets LLC (Investment Management)	6247	0	228015.5	0.0137
1978	UBS Financial Services, Inc.	5972	0	217978.0	0.0131
1979	RBC Dominion Securities, Inc. (Investment Management)	4701	0	171586.5	0.0103
1980	AdvisorNet Financial, Inc.	4570	0	166805.0	0.0100
1981	Haven Wealth Group LLC	4190	0	152935.0	0.0092
1982	KLP Kapitalforvaltning AS	4000	4000	146000.0	0.0088
1983	Citigroup Global Markets, Inc. (Investment Management)	3526	0	128699.0	0.0077
1984	Morgan Stanley Smith Barney LLC (Invst Mgmt)	3466	0	126509.0	0.0076
1985	Group One Trading LP	3446	0	125779.0	0.0076
1986	Cutler Group LP	1900	0	69350.0	0.0042
1987	Rockefeller & Co. LLC	1888	0	68912.0	0.0041
1988	Taylor Asset Management, Inc. (Canada)	1802	1041	65773.0	0.0040

	Investor	Position	dPosition	Value	%OS
1989	US Bancorp Asset Management, Inc.	1462	0	53363.0	0.0032
1990	UBS Securities LLC	1429	0	52158.5	0.0031
1991	Steward Partners Investment Advisory LLC	1415	0	51647.5	0.0031
1992	NumerixS Investment Technologies Inc.	1100	0	40150.0	0.0024
1993	Advisory Services Network LLC	1000	0	36500.0	0.0022
1994	Merrill Lynch, Pierce, Fenner & Smith, Inc. (Inv't Mgmt)	1000	0	36500.0	0.0022
1995	Walleye Capital LLC	668	0	24382.0	0.0015
1996	Investacorp Advisory Services, Inc.	600	0	21900.0	0.0013
1997	Russell Investment Management LLC	552	0	20148.0	0.0012
1998	Citigroup Global Markets, Inc. (Broker)	527	0	19235.5	0.0012
1999	Kore Private Wealth LLC	500	0	18250.0	0.0011
2000	Cubist Systematic Strategies LLC	499	0	18213.5	0.0011
2001	First Manhattan Co.	410	0	14965.0	0.0009
2002	Dorsey, Wright & Associates LLC	399	0	14563.5	0.0009
2003	CNB Bank (Clearfield, Pennsylvania)	350	0	12775.0	0.0008
2004	DWS Investment GmbH	289	0	10548.5	0.0006
2005	Wells Fargo Advisors Financial Network LLC	258	0	9417.0	0.0006
2006	Flagship Harbor Advisors LLC	96	0	3504.0	0.0002
2007	Hudock Capital Group LLC	62	0	2263.0	0.0001
2008	Winslow, Evans & Crocker, Inc. (Investment Management)	50	0	1825.0	0.0001
2009	RBC Global Asset Management, Inc.	20	0	730.0	0.0000
2010	Financial Gravity Wealth, Inc.	5	0	182.5	0.0000