

Securities Lending Returns in MSCI World

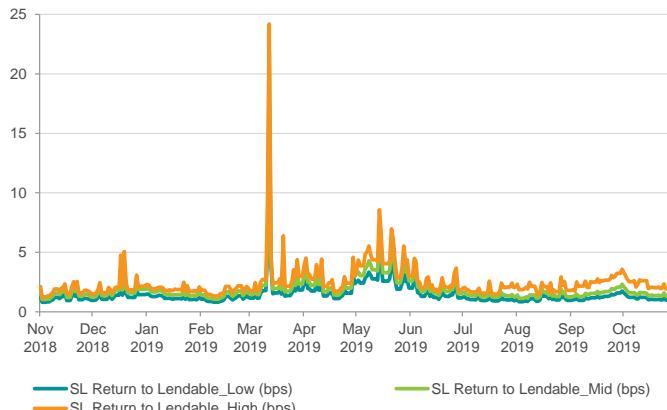


The MSCI World index is a broad global equity index that represents large and mid-cap equity performance across 23 developed markets countries. It covers approximately 85% of the free float-adjusted market capitalization in each country and MSCI world index does not offer exposure to emerging markets. IHS Markit provides the securities lending return made from securities in the index since 2015 and further provides a break down by fee categories, top sectors & countries as well as the level of short interest in the index constituents. There are currently 1648 securities on loan out of 1650 securities in the index

SL Returns to Lendable (bps) : Quarterly Comparison ■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019



SL Returns to Lendable : Nov 18 to Oct 19



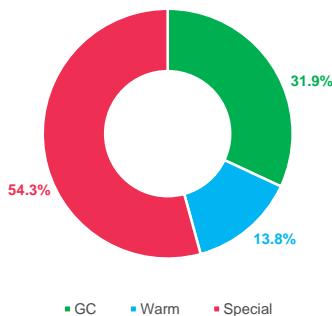
Indexed Short Interest	2015	2016	2017	2018	2019
End of Year Levels	118.8	108.7	88.3	117.9	95.3
YOY change	19%	-9%	-19%	34%	-19%

Index base date : 1st Jan 2015

Period	SL Return to Lendable_Low (bps)		SL Return to Lendable_Mid (bps)		SL Return to Lendable_High (bps)	
	2019	2018	2019	2018	2019	2018
Annualized						
Jan	1.2	0.9	1.6	1.1	1.9	1.5
Feb	1.1	1.2	1.4	1.5	1.8	1.9
Mar	2.3	1.9	3.0	2.5	3.6	3.1
Apr	1.8	2.4	2.2	3.1	2.7	4.0
May	2.8	3.2	3.6	4.1	4.5	5.2
Jun	1.5	1.8	2.0	2.3	2.4	3.0
Jul	1.0	0.9	1.4	1.2	1.8	1.6
Aug	1.1	1.0	1.4	1.3	2.0	1.7
Sep	1.2	1.4	1.6	1.8	2.5	2.2
Oct	1.1	1.0	1.5	1.3	2.3	1.6
Nov	-	1.1	-	1.4	-	1.8
Dec	-	1.4	-	1.8	-	2.1
YTD	1.5	1.6	2.0	2.0	2.6	2.6
Full Year	1.5	1.5	2.0	2.0	2.6	2.5
Nov 18 - Oct 19	1.5		1.9		2.5	

SL Revenue Contribution by Fee Categories

Annual Contribution by Fee Categories : Nov 18 to Oct 19



Period	GC Contribution		Warm Contribution		Special Contribution		Warm Securities		Special Securities	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Month										
Jan	42%	48%	8%	19%	50%	33%	45	70	14	18
Feb	47%	38%	15%	21%	38%	41%	69	65	13	17
Mar	22%	25%	13%	20%	66%	55%	146	124	24	29
Apr	27%	19%	16%	17%	58%	63%	114	129	36	49
May	15%	14%	12%	16%	72%	70%	90	138	54	59
Jun	30%	26%	13%	17%	57%	57%	73	112	27	32
Jul	41%	48%	11%	26%	48%	27%	43	77	18	17
Aug	41%	46%	15%	27%	44%	27%	49	86	13	14
Sep	38%	33%	19%	24%	44%	43%	113	127	16	18
Oct	40%	47%	14%	21%	47%	32%	68	75	14	17
Nov	-	44%	-	19%	-	37%	-	53	-	18
Dec	-	37%	-	15%	-	48%	-	59	-	16

Top Sectors & Countries by SL Revenue and SL Return to Lendable for Oct 2019

Top 3 Sectors by SL Return to Lendable	SL Return to Lendable (bps)
Food & Staples Retailing	9.3
Transportation	6.3
Pharmaceuticals, Biotechnology & Life Sciences	4.6

Top 3 Sectors by SL Revenue	SL Revenue Contribution
Pharmaceuticals, Biotechnology & Life Sciences	23%
Food & Staples Retailing	10%
Transportation	9%

Top 3 Countries by SL Return to Lendable	SL Return to Lendable (bps)
Norway	28.2
Finland	16.0
Canada	9.2

Top 3 Countries by SL Revenue	SL Revenue Contribution
USA	29%
Canada	24%
Japan	14%

Notes

SL Return to Lendable_Low Returns from securities lending relative to lendable value from all the lender funds who are part of the IHS Markit Securities Finance group

SL Return to Lendable_Mid Returns from securities lending relative to lendable value from only those lender funds with active loans in respective market areas that are part of the index. Funds are classified as active on a daily basis for individual market areas. This metric is used in the report unless stated otherwise

SL Return to Lendable_High Returns from securities lending relative to lendable value from only those lender funds with the highest loan value that represent 80% of the cumulative loan value in respective market areas that are part of the index. Funds are classified on a daily basis for individual market areas within the index

Indexed Short Interest Indexed Short Interest tracks the daily change in short interest relative to market capitalization calculated for the MSCI index with an index base date of 1st Jan 2015 where the index is set to a base value of 100

Fee Classification Securities with value weighted average securities lending fee of <= 35 bps are classified as GC, > 35 bps & <= 150 bps are classified as Warm and > 150 bps are classified as Special. This fee classification is done on a daily basis