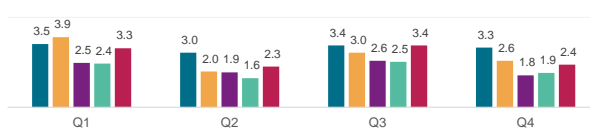


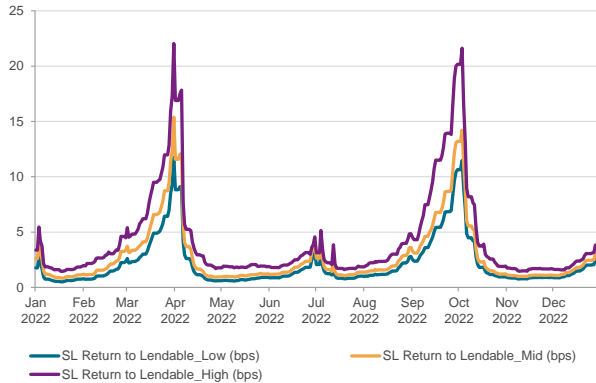
Securities Lending Returns in MSCI Japan

The MSCI Japan Index measures the performance of the large and mid cap segments of the Japanese market. The index covers approximately 85% of the free float-adjusted market capitalization in Japan. IHS Market provides the securities lending return made from securities in the index since 2015 and further provides a break down by fee categories, top sectors as well as the level of short interest in the index constituents. There are currently 237 securities in the index and all of them are out on loan

SL Returns to Lendable (bps) : Quarterly Comparison



SL Returns to Lendable : Jan 22 to Dec 22



Indexed Short Interest	2018	2019	2020	2021	2022*
End of Year Levels	285.4	177.1	164.9	143.4	194.5
YOY change	145%	-38%	-7%	-13%	36%

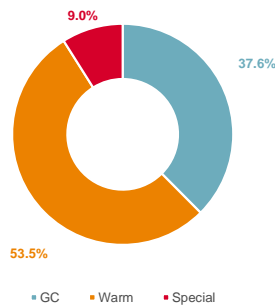
Index base date : 1st Jan 2015

* as of 31st Dec 2022

Period	SL Return to Lendable_Low (bps)		SL Return to Lendable_Mid (bps)		SL Return to Lendable_High (bps)	
	2022	2021	2022	2021	2022	2021
Annualized						
Jan	0.9	0.8	1.4	1.4	2.2	1.9
Feb	1.3	1.0	1.9	1.6	3.1	2.3
Mar	4.6	2.6	6.2	4.1	9.0	5.9
Apr	2.7	1.5	3.9	2.4	6.4	3.8
May	0.7	0.5	1.1	0.8	1.9	1.2
Jun	1.4	1.0	1.8	1.6	2.5	1.9
Jul	1.2	0.7	1.6	1.2	2.3	1.7
Aug	1.5	1.0	2.0	1.8	3.0	2.6
Sep	5.2	2.8	6.6	4.3	10.4	6.5
Oct	3.3	2.1	4.2	3.4	6.5	5.3
Nov	0.9	0.6	1.1	0.9	1.6	1.6
Dec	1.5	1.0	1.9	1.5	2.5	2.2
YTD	2.1	1.3	2.8	2.1	4.3	3.1
Full Year	2.1	1.3	2.8	2.1	4.3	3.1
Jan 22 to Dec 22	2.1	1.3	2.8	2.1	4.3	3.1

SL Revenue Contribution by Fee Categories

Annual Contribution by Fee Categories: Jan 22 to Dec 22



Period	GC Contribution		Warm Contribution		Special Contribution		Warm Securities		Special Securities	
	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021
Month										
Jan	56%	64%	35%	32%	9%	3%	10	9	3	3
Feb	73%	75%	25%	23%	2%	1%	13	16	1	1
Mar	21%	33%	68%	64%	11%	3%	77	60	4	2
Apr	28%	36%	53%	54%	19%	10%	45	48	12	3
May	90%	90%	8%	9%	3%	1%	4	3	1	1
Jun	46%	52%	49%	44%	5%	4%	16	11	1	1
Jul	55%	63%	36%	34%	9%	3%	10	7	2	2
Aug	72%	76%	26%	24%	2%	1%	10	18	1	1
Sep	18%	31%	74%	59%	8%	9%	77	58	2	14
Oct	26%	33%	62%	55%	12%	13%	51	37	4	6
Nov	87%	94%	13%	5%	0%	1%	5	3	-	1
Dec	47%	49%	48%	51%	6%	0%	18	17	2	1

Top Sectors by SL Revenue and SL Return to Lendable for Dec 2022

Top 3 Sectors by SL Return to Lendable	SL Return to Lendable (bps)	SL Revenue Contribution
Food, Beverage & Tobacco	10.3	16.9%
Household & Personal Products	7.5	7.1%
Energy	7.3	3.3%

Top 3 Sectors by SL Revenue	SL Revenue Contribution
Food, Beverage & Tobacco	16.9%
Capital Goods	11.7%
Technology Hardware & Equipment	10.4%

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 Market 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