

# HSBC Vantage5<sup>®</sup> Index Guide



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## HSBC Vantage5 Index

The HSBC Vantage5 Index is designed to balance a strategic combination of US and Emerging Market Equities, Bonds, Real Assets, an Inflation ETF, and Cash to deliver overall market growth potential in a low volatility index. The Index aims to achieve stable returns while guarding against a degree of losses during market downturns.





## In brief



**The Index** - The HSBC Vantage5 Index utilizes the investment concept of Modern Portfolio Theory and the related investment principle of Efficient Frontier in an attempt to maximize investment returns for a given level of market risk.

**Target 5%** - The Index methodology is based on allocations from a basket of 13 ETFs and Cash to aim for a volatility target of 5%. The Index limits exposure to pre-defined levels on both the ETFs and the Asset Classes to avoid an overconcentration in any single asset.

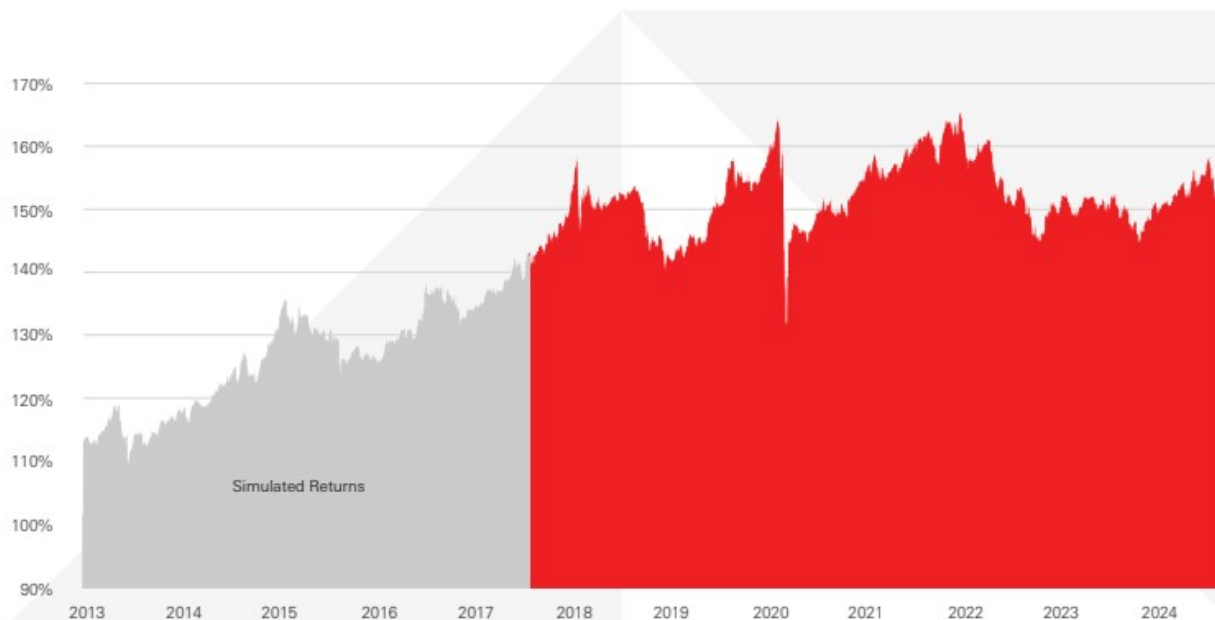


**Maintain and Capture** - The HSBC Vantage5 Index uses a rules-based methodology to capture performance and maximize risk-adjusted returns. Each month, the Index composition is made up of a portfolio of investment constituents based on both 3 month and 6 month historical returns to capture both short-term and long-term market momentum.

# HSBC Vantage5 Performance



## HSBC Vantage5 Index Simulated & Historical Returns



### Simulated & Historical Performance as of September 30, 2024

### HSBC Vantage5 Performance

1 Year Return	7.50%
3 Year Return	0.92%
5 Year Return	1.94%
10 Year Return	28.09%
Annualized Volatility*	7.33%

\*Data from Aug '11 thru Sep '24, calculated on a per annum percentage basis. See "Use of simulated returns."

The graph and table above sets forth the historical and hypothetical back-tested performance of the Index from August 1, 2011 through September 30, 2024. The Index has only been calculated by S&P Dow Jones LLC since March 15, 2017. The hypothetical back-tested performance of the Index set forth in the graph and table above was calculated using the selection criteria and methodology employed to calculate the Index since its inception on March 15, 2017. However, the hypothetical back-tested Index data only reflects the application of that methodology in hindsight, since the Index was not actually calculated and published prior to March 15, 2017. The hypothetical back-tested Index data cannot completely account for the impact of financial risk in actual trading. There are numerous factors related to the equities, bonds, real estate and commodities markets in general that cannot be, and have not been, accounted for in the hypothetical back-tested Index data, all of which can affect actual performance. Consequently, you should not rely on that data as a reflection of what the actual Index performance would have been had the Index been in existence or in forecasting future Index performance. Any hypothetical upward or downward trend in the level of the Index during any period shown is not an indication that the level of the Index is more or less likely to increase to decrease at any time. Please see "Risks relating to the index" and "Important information" for more information about hypothetical back-tested performance data.

Certain key features of the HSBC Vantage5 Index have enabled it to outperform some similar multi-asset indices for several years. Greater concentration limits on equity exposure coupled with the ability to exceed its target volatility, on an intra-month basis only, has lent itself to historically outperform some similar indices.

### Comparative results



The graph and table above sets forth the hypothetical back-tested performance of the Index from January 1, 2013 through September 30, 2024. The Index has only been calculated by S&P Dow Jones LLC since March 15, 2017. The hypothetical back-tested performance of the Index set forth in the graph above was calculated using the selection criteria and methodology employed to calculate the Index since its inception on March 15, 2017. However, the hypothetical back-tested Index data only reflects the application of that methodology in hindsight, since the Index was not actually calculated and published prior to March 15, 2017. The hypothetical back-tested Index data cannot completely account for the impact of financial risk in actual trading. There are numerous factors related to the equities, bonds, real estate and commodities markets in general that cannot be, and have not been, accounted for in the hypothetical back-tested Index data, all of which can affect actual performance. Consequently, you should not rely on that data as a reflection of what the actual Index performance would have been had the Index been in existence or in forecasting future Index performance. Any hypothetical upward or downward trend in the level of the Index during any period shown is not an indication that the level of the Index is more or less likely to increase or decrease at any time. Please see "Risks relating to the index" and "Important information" for more information about hypothetical back-tested performance data.



# HSBC Vantage5 Index Strategy





## Key drivers



**Equity Universe** - The HSBC Vantage5 Index utilizes equity ETF underlyings such as PowerShares QQQ tracking the NASDAQ 100 Index and PowerShares S&P 500 Low Volatility Portfolio (SPLV) to potentially enhance equity returns.

**Higher Equity Allocation** - HSBC Vantage5 Index provides a greater maximum allocation to developed and emerging market equity (80%) compared to some other target volatility strategies. This may increase the potential for equity outperformance.



**No Intra-Month Volatility Cap** - The HSBC Vantage5 Index does not impose an intra-month cap on volatility which enables the Index to remain fully invested in the selected portfolio of ETFs for the duration of the month.

# Achieving balance



To ensure a diversified exposure, the weight that can be assigned to each Asset Class and individual ETF is capped. The table below displays the index components and the maximum weighting constraints for each Asset Class and ETF.

Asset Class	ETF Name	ETF Ticker	ETF Cap	Asset Class Cap
Developed Equities	SPDR S&P 500 <sup>®</sup> ETF	SPY	40%	60%
	iShares <sup>®</sup> Russell 2000 ETF	IWM	20%	
	PowerShares S&P 500 Low Volatility Portfolio	SPLV	20%	
	PowerShares QQQ	QQQ	20%	
	iShares <sup>®</sup> MSCI EAFE ETF	EFA	20%	
Developed Bonds	iShares <sup>®</sup> 20+ Year Treasury Bond ETF	TLT	40%	80%
	iShares <sup>®</sup> iBoxx Investment Grade Corporate Bond ETF	LQD	40%	
	iShares <sup>®</sup> iBoxx High Yield Corporate Bond ETF	HYG	15%	
Emerging Markets	iShares <sup>®</sup> MSCI Emerging Markets ETF	EEM	20%	30%
	iShares <sup>®</sup> JP Morgan USD Emerging Markets Bond ETF	EMB	10%	
Real Assets	iShares <sup>®</sup> US Real Estate ETF	IYR	20%	30%
	SPDR <sup>®</sup> Gold Shares	GLD	20%	
Inflation	iShares <sup>®</sup> TIPS Bond ETF	TIP	5%	5%
Cash	Daily SOFR + a spread adjustment of 0.26161%		50%	50%

The HSBC Vantage5 Index strategically allocates across multiple asset classes. The index is capable of investing up to 50% of the basket in Cash enabling greater stability in volatile markets.

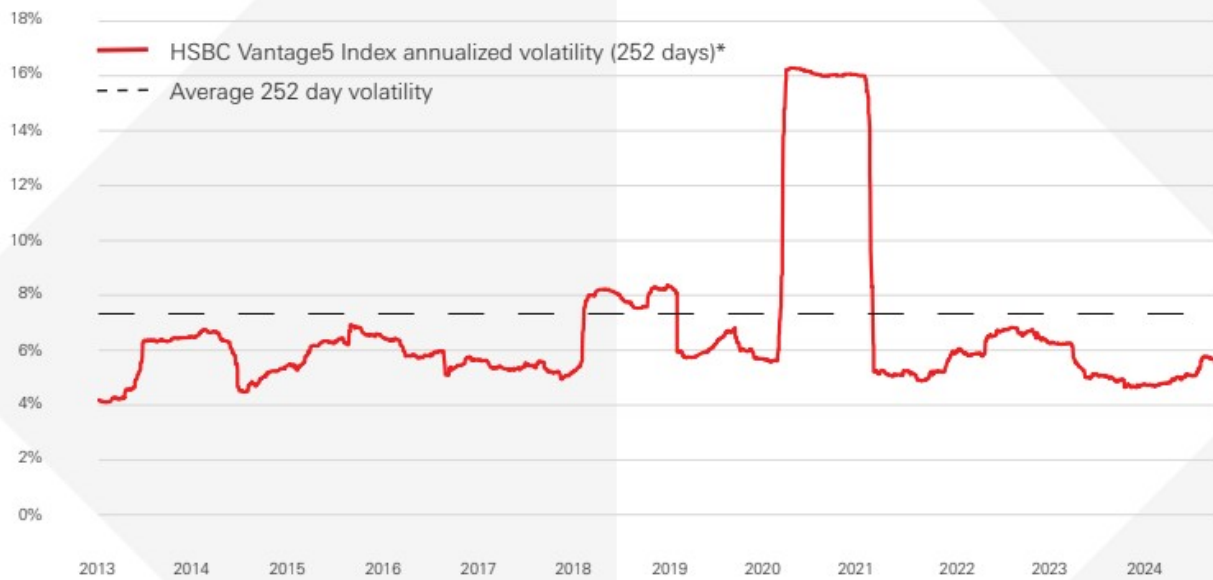
Monthly reallocation of assets seeks to reduce downside risk while allowing the HSBC Vantage5 Index to quickly adapt to events and emerging trends.

# Hypothetical volatility





HSBC Vantage5 Index is designed to dynamically adapt to different market conditions. In volatile market conditions, the Index is designed to allocate its investments in lower volatility ETFs and Cash.



\*252 days represents the number of full business days in a calendar year, used when calculating one-year volatility.

The graph above sets forth the hypothetical back-tested performance of the Index from January 1, 2013 through September 30, 2024. The Index has only been calculated by S&P Dow Jones LLC since March 15, 2017. The hypothetical back-tested performance of the Index set forth in the graph above was calculated using the selection criteria and methodology employed to calculate the Index since its inception on March 15, 2017. However, the hypothetical back-tested Index data only reflects the application of that methodology in hindsight, since the Index was not actually calculated and published prior to March 15, 2017. The hypothetical back-tested Index data cannot completely account for the impact of financial risk in actual trading. There are numerous factors related to the equities, bonds, real estate and commodities markets in general that cannot be, and have not been, accounted for in the hypothetical back-tested Index data, all of which can affect actual performance. Consequently, you should not rely on that data as a reflection of what the actual Index performance would have been had the Index been in existence or in forecasting future Index performance. Any hypothetical upward or downward trend in the level of the Index during any period shown is not an indication that the level of the Index is more or less likely to increase or decrease at any time. Please see "Risks relating to the index" and "Important information" for more information about hypothetical back-tested performance data.

# More information



**For more information on the HSBC Vantage5® Index:**

Go to: [vantage5.hsbcnet.com](https://vantage5.hsbcnet.com)

Call: 1-212-525-8010

Email: [hsbcpsales@us.hsbc.com](mailto:hsbcpsales@us.hsbc.com)

## Risks relating to the index

Please review carefully these risk factors, and any risk factors in an offering document for any security or financial instrument referencing the Index, before making any investment.

### **S&P, the Index Calculation Agent, may adjust the Index in a way that affects its level, and S&P has no obligation to consider your interests.**

The Index is calculated by the S&P Dow Jones Indices LLC (the "Index Calculation Agent"). The Index Calculation Agent is responsible for calculating and maintaining the Index and developing the guidelines and policies governing its composition and calculation. It is entitled to exercise discretion in relation to the Index, including but not limited to the calculation of the level of the Index in the event of an Index Market Disruption Event. Although S&P, acting as the Index Calculation Agent, will make all determinations and take all action in relation to the Index acting in good faith, it should be noted that the policies and judgments for which S&P is responsible could have an impact, positive or negative, on the level of the Index. S&P may also amend the rules governing the Index in certain circumstances.

Judgments, policies and determinations concerning the Index are made by S&P, as the Index Administrator. Furthermore, the inclusion of the ETFs in the Index is not an investment recommendation by S&P of the ETFs, or any of the securities, commodities or futures contracts underlying the ETFs.

### **The Index comprises notional assets.**

The exposures to the ETF constituents and any cash investment are purely notional and will exist solely in the records maintained by or on behalf of the Index Calculation Agent. There is no actual portfolio of assets to which any person is entitled or in which any person has any ownership interest. Consequently, you will not have any claim against any of the underlying assets that comprise the Index.

### **The Index may not be successful, and may not outperform any alternative strategy that might be employed in respect of the ETFs or achieve its target volatility.**

The Index follows a notional rules-based proprietary strategy that operates on the basis of pre-determined rules. No assurance can be given that the investment strategy on which the Index is based will be successful or that the Index will outperform any alternative strategy that might be employed in respect of the ETFs. Furthermore, no assurance can be given that the Index will achieve its target maximum volatility of 5%. The actual realized volatility of the Index may be greater or less than 5%.

### **The Index has a very limited operating history and may perform in unanticipated ways.**

The Index was established on March 15, 2017 and therefore has little to no operating history. Hypothetical back-tested performance data prior to the launch of the Index provided in this document refers to simulated performance data created by applying the Index's calculation methodology to historical prices of the ETFs that comprise the Index. Such simulated performance data has been produced by the retroactive application of a back-tested methodology, and may give more preference towards ETFs or indices that have performed well in the past. The hypothetical back-tested performance of the Index prior to March 15, 2017 cannot fully reflect the actual results that would have occurred had the Index actually been calculated during that period, and should not be relied upon as an indication of the Index's future performance. As of July 15, 2022, the Index Calculation Agent changed the cash element of the Index from 3-month U.S. dollar LIBOR to daily SOFR plus a spread of 0.26161%. Consequently, any hypothetical historical and historical presentation of the performance of the Index in this document represents a different cash element prior to July 15, 2022.

### **The Index is subject to market risks.**

The performance of the Index is dependent on the performance of the thirteen ETFs, as constructed in the available Monthly Reference Portfolio, over a change in the Daily Secured Overnight Finance Rate ("SOFR") plus a spread adjustment of 0.26161% minus 0.85% fees, subtracted daily. As a result, any increase in the level of the Index may be offset by increases in SOFR.

### **The ETFs composing the Index may be replaced by a substitute ETF in certain extraordinary events.**

Following the occurrence of certain Extraordinary Fund Events with respect to an ETF as described in the Index Methodology, under "Index Components" the affected ETF may be replaced by a substitute ETF. The changing of an ETF may affect the performance of the Index, as the replacement ETF may perform significantly better or worse than the affected ETF.

### **The Index may perform poorly during periods characterized by short-term volatility.**

The Index's strategy is based on momentum investing. Momentum investing strategies are effective at identifying the current market direction in trending markets. However, in non-trending, sideways markets, momentum investment strategies are subject to "whipsaws." A whipsaw occurs when the market reverses and does the opposite of what is indicated by the trend indicator, resulting in a trading loss during the particular period. Consequently, the Index may perform poorly in non-trending, "choppy" markets characterized by short-term volatility.

### **The Index may be partially uninvested.**

The strategy tracks the excess return of a notional dynamic basket of ETFs and cash over a change in SOFR. The weight of a Cash Investment (if any) for a Monthly Reference Portfolio at any given time represents the portion of the Monthly Reference Portfolio that is uninvested in the applicable ETF basket at that time. As such, any allocation to a Cash Investment within the Index, which also accrues at SOFR, will not affect the level of the Index. The Index will reflect no return for any uninvested portion (i.e., any portion represented by a Cash Investment). Accordingly, to the extent that the Index is allocated to the Cash Investment, it may not reflect the full increase of any relevant ETF component. Under certain circumstances, the Index may be 100% allocated to the Cash Investment.

### **Correlation of performances among the ETFs may reduce the performance of the Index.**

Performances of the ETFs may become highly correlated from time to time including, but not limited to, a period in which there is a substantial decline in a particular sector or asset type represented by the ETFs and which has a higher weighting in the Index relative to any of the other sectors or asset types, as determined by the Index's strategy. High correlation during periods of negative returns among ETFs representing any one sector or asset type and which ETFs have a substantial percentage weighting in the Index could have an adverse effect on the index.



## Risks relating to the index

### **An investment linked to the Index carries the risks associated with the Index's momentum investment strategy.**

The Index is constructed using what is generally known as a momentum investment strategy. Momentum investing generally seeks to capitalize on positive trends in the price of assets. As such, the weights of the ETFs in the Index are based on the performance of the ETFs from the immediately preceding 3-month period and 6-month period. However, there is no guarantee that trends existing in the preceding periods will continue in the future. A momentum strategy is different from a strategy that seeks long-term exposure to a portfolio consisting of constant components with fixed weights. The Index may fail to realize gains that could occur as a result of holding assets that have experienced price declines, but after which experience a sudden price spike. As a result, if market conditions do not represent a continuation of prior observed trends, the level of the Index, which is rebalanced based on prior trends, may decline. Additionally, even when the closing prices or levels of the ETFs are trending downwards, the Index will continue to be composed of the thirteen ETFs. Due to the "long-only" construction of the Index, the weight of each ETF will not fall below zero in respect of each Monthly Rebalancing Date (as defined in the Index Methodology, under "Vantage5 Index Strategy") even if the relevant ETF displayed a negative performance over the relevant six month period. No assurance can be given that the investment strategy used to construct the Index will outperform any alternative index that might be constructed from the ETFs.

### **Changes in the value of the ETFs may offset each other.**

Because the Index is linked to the performance of the ETFs, which collectively represent a diverse range of asset classes and geographic regions, price movements between the ETFs representing different asset classes or geographic regions may not correlate with each other. At a time when the value of an ETF representing a particular asset class or geographic region increases, the value of other ETFs representing a different asset class or geographic region may not increase as much or may decline. Therefore, in calculating the level of the Index, increases in the value of some of the ETFs may be moderated, or more than offset, by lesser increases or declines in the level of other ETFs. Declines in the value of ETFs that have a higher percentage weighting in the Index at any time will result in a greater loss in the level of the Index.

### **The level of the Index will include the deduction of a change in the SOFR plus a spread adjustment of 0.26161% and a fee.**

One way in which the Index may differ from a typical index is that its level will include a deduction from the performance of the applicable Monthly Reference Portfolio of both a change in the SOFR plus a spread adjustment of 0.26161% and a fee of 0.85% per annum. This fee will be deducted daily. As a result of the deduction of this fee, the level of the Index will trail the value of a hypothetical identically constituted synthetic portfolio from which no such fee is deducted. For example, assuming the SOFR plus a spread adjustment of 0.26161% rate is 0.20% per year, for the Index level to increase by 1% per year, the Monthly Reference Portfolios will have to increase by approximately 2.05% per year.

### **SOFR has a very limited history, and its historical performance is not indicative of its future performance.**

The Federal Reserve Bank of New York (the "SOFR Administrator") began to publish SOFR in April 2018. Although the SOFR Administrator has also begun publishing historical indicative SOFR going back to 2014, such historical indicative data inherently involves assumptions, estimates and approximations. Therefore, SOFR has limited performance history and no actual investment based on the performance of SOFR was possible before April 2018.

### **Any failure of SOFR to gain market acceptance could adversely affect the level of the Index.**

SOFR may fail to gain market acceptance. SOFR was developed for use in certain U.S. dollar derivatives and other financial contracts as an alternative to U.S. dollar LIBOR in part because it is considered a good representation of general funding conditions in the overnight U.S. Treasury repurchase agreement (repo) market. However, as a rate based on transactions secured by U.S. Treasury securities, it does not measure bank-specific credit risk and, as a result, is less likely to correlate with the unsecured short-term funding costs of banks. This may mean that market participants would not consider SOFR a suitable substitute or successor for all of the purposes for which LIBOR historically has been used (including, without limitation, as a representation of the unsecured short-term funding costs of banks), which may, in turn, lessen market acceptance of SOFR. Any failure of SOFR to gain market acceptance could adversely affect the level of the Index.

### **SOFR may be modified or discontinued, which could adversely affect the level of the Index.**

The SOFR Administrator may make methodological or other changes that could change the value of SOFR, including changes related to the method by which SOFR is calculated, eligibility criteria applicable to the transactions used to calculate SOFR, or timing related to the publication of SOFR. In addition, the SOFR Administrator may alter, discontinue or suspend calculation or dissemination of SOFR (in which case a replacement rate for the cash element could be chosen by the Index Administrator).

In addition, (i) the composition and characteristics of any replacement rate for the cash element will not be the same as those of SOFR, such replacement rate will not be the economic equivalent of SOFR, there can be no assurance that the replacement rate will perform in the same way as SOFR would have at any time and there is no guarantee that the replacement rate will be a comparable substitute for SOFR (each of which means that the use of a replacement rate for the cash element could adversely affect the level of the Index), (ii) any failure of the replacement rate to gain market acceptance could adversely affect the level of the Index, (iii) the replacement rate may have a very limited history and the future performance of the replacement rate cannot be predicted based on historical performance and (iv) the administrator of the replacement rate may make changes that could change the value of the replacement rate or discontinue the replacement rate.



## Important information

The information contained in this document is for discussion purposes only. Any information relating to performance contained in these materials is illustrative and no assurance is given that any indicative returns, performance or results, whether historical or hypothetical, will be achieved. These terms are subject to change, and HSBC undertakes no duty to update this information. This document shall be amended, superseded and replaced in its entirety by a subsequent term sheet, disclosure supplement and/or private placement memorandum, and the documents referred to therein. In the event any inconsistency between the information presented herein and any such term sheet, disclosure supplement and/or private placement memorandum, such term sheet, disclosure supplement and/or private placement memorandum shall govern.

Investing in CDs linked to the HSBC Vantage5 Index (the "Index") is not equivalent to a direct investment in the Index or any exchange-traded fund or index that forms a part of the Index. Investments in CDs linked to the Index require investors to assess several characteristics and risk factors that may not be present in other types of transactions. In reaching a determination as to the appropriateness of any proposed transaction, clients should undertake a thorough independent review of the legal, regulatory, credit, tax, accounting and economic consequences of such transaction in relation to their particular circumstances. This strategy guide contains market data from various sources other than us and our affiliates, and, accordingly, we make no representation or warranty as to the market data's accuracy or completeness. All information is subject to change without notice. We or our affiliated companies may make a market or deal as principal in the CDs mentioned in this document or in options, futures or other derivatives based thereon.

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### Use of Simulated Returns

Any historical performance information included in these materials represents only hypothetical historical results. You should note that the index constituents have not traded together in the manner shown in the composite hypothetical historical results included in this website. No representation is being made that the indices will achieve a performance record similar to that shown. In fact, there may often be sharp differences between hypothetical historical performance and actual performance.

Back-testing and other statistical analysis material provided to you in connection with the explanations of the potential returns associated with an investment in the Index use simulated analysis and hypothetical assumptions in order to illustrate the manner in which the Index may have performed in periods prior to the actual existence of the Index.

The hypothetical historical levels have inherent limitations. Alternative modelling techniques or assumptions may produce different hypothetical historical information that might prove to be more appropriate and that might differ significantly from the hypothetical historical information set forth above.

The results obtained from "back-testing" information should not be considered indicative of actual results that might be obtained from an investment or participation in a financial instrument or transaction referencing the Index. You should not place undue reliance on the "back-testing" information, which is provided for illustrative purposes only. HSBC provides no assurance or guarantee that the Index will operate or would have operated in the past in a manner consistent with the results presented in these materials.

Hypothetical back-tested results are neither an indicator nor a guarantee of future returns. Actual results will vary, perhaps materially, from the analysis implied in the hypothetical historical information. You should review and consider the hypothetical historical information only with the full Index methodology.

As of July 15, 2022, the Index Calculation Agent changed the cash element of the Index from 3-month U.S. dollar LIBOR to daily SOFR plus a spread of 0.26161%. Consequently, any hypothetical historical and historical presentation of the performance of the Index in this document represents a different cash element prior to July 15, 2022.

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The Index Owner, the Index Administrator and the Index Calculation Agent do not assume any obligation or duty to any party and under no circumstances does the Index Owner, the Index Administrator or the Index Calculation Agent assume any relationship of agency or trust or of a fiduciary nature for or with any party. Any calculations or determinations in respect of the Index or any part thereof shall, unless otherwise specified, be made by the Index Calculation Agent, acting in good faith and in a commercially reasonable manner and shall (save in the case of manifest error) be final, conclusive and binding. The term "manifest error" as used herein shall mean an error that is plain and obvious and can be identified from the results of the calculation or determination itself without recourse to any underlying data.

The Index Owner makes no express or implied representations or warranties as to (a) the advisability of purchasing or assuming any risk in connection with any transaction or investment linked to the Index, (b) the levels at which the Index stands at any particular time on any particular date, (c) the results to be obtained by any party from the use of the Index or any data included in it for the purposes of issuing any financial instruments or carrying out any financial transaction linked to the Index or (d) any other matter. Calculations may be based on information obtained from various publicly available sources. The Index Administrator and the Index Calculation Agent have relied on these sources and have not independently verified the information extracted from these sources and accept no responsibility or liability in respect thereof.

Without prejudice to the foregoing, in no event shall the Index Owner, the Index Administrator nor the Index Calculation Agent, have any liability for any indirect, special, punitive or consequential damages (provided that any such damage is not reasonably foreseeable) even if notified of the possibility of such damages.



This brochure is intended to provide a general overview of HSBC Vantage5<sup>®</sup> Index and does not provide the terms of any specific issuance of structured investments. Prior to any decision to invest in a specific structured investment, investors should carefully review the disclosure documents for such issuance which contains a detailed explanation of the terms of the issuance as well as the risks, tax treatment and other relevant information.

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