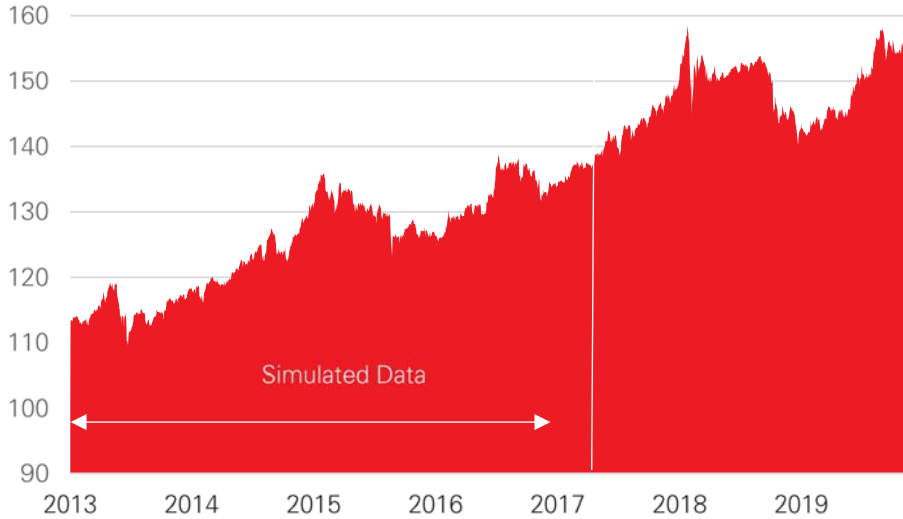


# HSBC Vantage5<sup>®</sup> Index

## Monthly Performance Report – November 2019

### Vantage5 Index Simulated & Historical Returns



All information in this document prior to March 15, 2017 consists of hypothetical back-tested data. See "Use of simulated returns."  
Source: S&P 500, Bloomberg, and HSBC

### Simulated & Historical Performance: August 2011 to November 29, 2019

	Total Performance
November 2019	-0.83%
YTD Return	8.10%
1Y Return	6.60%
3Y Return*	16.36%
5Y Return*	22.41%
Annualized Vol (1Y)	6.58%
Annualized Vol (since backtest inception) **	6.08%

\*Calculated on a per annum percentage basis. See "Use of simulated returns."  
+ All information in this document prior to March 15, 2017 consists of hypothetical back-tested data. See "Use of simulated returns."

### Monthly Allocation

		Oct-19	Nov-19	Dec-19	12M Avg
Developed Equities (Max. 60%)	SPY	13.2%	0.0%	20.8%	3.2%
	SPLV	10.7%	10.0%	0.0%	12.5%
	IWM	13.1%	0.0%	0.0%	1.0%
	QQQ	0.0%	0.0%	8.6%	3.6%
	EFA	0.0%	12.8%	10.0%	1.8%
	<b>subtotal</b>	<b>36.9%</b>	<b>22.8%</b>	<b>39.4%</b>	<b>22.0%</b>
Developed Bonds (Max. 80%)	TLT	33.2%	13.0%	12.1%	25.6%
	LQD	0.0%	19.7%	20.0%	20.4%
	HYG	7.5%	7.5%	0.0%	2.1%
	<b>subtotal</b>	<b>40.7%</b>	<b>40.2%</b>	<b>32.1%</b>	<b>48.1%</b>
Emerging Markets (Max. 30%)	EEM	0.0%	0.0%	3.5%	1.7%
	EMB	0.0%	0.0%	0.0%	3.1%
	<b>subtotal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.5%</b>	<b>4.8%</b>
Real Assets (Max. 30%)	IYR	0.0%	11.9%	0.0%	4.2%
	GLD	13.9%	15.0%	5.5%	10.5%
	<b>subtotal</b>	<b>13.9%</b>	<b>26.9%</b>	<b>5.5%</b>	<b>14.7%</b>
Inflation (Max. 5%)	TIP	0.0%	0.0%	0.0%	0.2%
Cash (Max. 50%) <sup>†</sup>		8.5%	10.1%	10.3%	10.3%

### Index Information

Index Owner	HSBC Bank plc
Currency	USD
Volatility Target	5%
Bloomberg Ticker	HSIEV5UE
Index Composition	Up to 13 ETFs plus Cash
Calculation Agent/ Index Administrator	S&P Dow Jones Indices LLC
Website	vantage5.hsbcnet.com

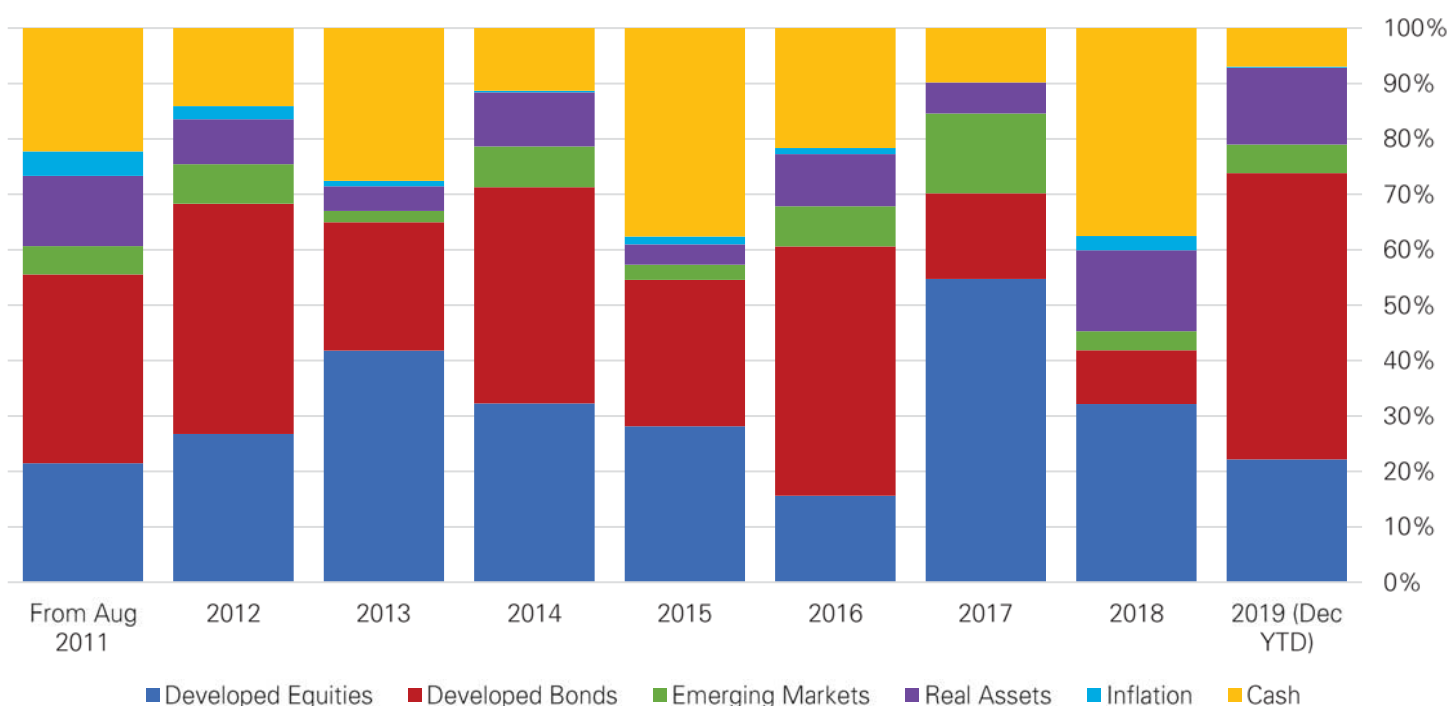


## Detailed Monthly Performance - Simulated & Historical

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual*
2019	1.0%	-0.5%	2.0%	-0.3%	1.2%	2.0%	0.2%	4.7%	-1.5%	0.2%	-0.8%		8.1%
2018	5.0%	-2.9%	-1.0%	-0.3%	0.6%	0.2%	0.5%	1.2%	-1.6%	-4.6%	1.0%	-2.2%	-4.4%
2017	0.9%	1.6%	0.2%	1.0%	1.5%	-0.6%	2.0%	0.6%	0.0%	1.6%	1.4%	0.8%	11.5%
2016	0.4%	1.8%	0.9%	0.5%	-0.9%	4.4%	1.5%	-0.3%	0.1%	-1.8%	-1.5%	0.7%	5.7%
2015	4.0%	-2.1%	-0.1%	-1.3%	0.0%	-1.3%	0.4%	-2.9%	0.6%	1.0%	-0.9%	-0.4%	-3.1%
2014	-1.2%	2.4%	-0.8%	1.1%	2.0%	0.8%	-0.8%	4.0%	-3.1%	2.0%	2.5%	1.0%	10.1%
2013	-0.4%	0.4%	2.0%	2.8%	-4.4%	-2.0%	2.6%	-1.6%	1.6%	1.8%	0.7%	1.0%	4.4%
2012	0.6%	0.3%	-0.1%	1.0%	0.4%	1.3%	2.5%	-0.5%	0.2%	-0.3%	0.2%	0.2%	5.8%
2011	na	na	na	na	na	na	na	3.9%	-0.4%	0.8%	0.7%	1.4%	7.3%

\*YTD return for current year

## Yearly Average Monthly Allocation – Simulated & Historical



## Quarterly Average Monthly Allocation - Simulated & Historical

	Developed Equities					Fixed Income			Emerging Markets		Real Assets		Inflation	Cash
	SPY	SPLV	IWM	QQQ	EFA	TLT	LQD	HYG	EEM	EMB	IYR	GLD	TIP	
Q4 2019	11.4%	6.9%	4.4%	2.9%	7.6%	19.4%	13.2%	5.0%	1.2%	0.0%	4.0%	11.4%	0.0%	12.7%
Q3 2019	2.4%	15.4%	0.0%	10.8%	0.0%	29.2%	30.4%	1.9%	0.0%	1.7%	0.0%	8.2%	0.0%	0.0%
Q2 2019	0.0%	17.8%	0.0%	1.8%	0.0%	30.2%	29.1%	0.4%	3.3%	5.0%	5.7%	5.7%	0.8%	0.0%
Q1 2019	0.0%	7.4%	0.0%	0.0%	0.0%	32.3%	15.5%	0.0%	2.9%	6.5%	3.7%	16.7%	0.0%	15.1%
Q4 2018	11.3%	18.6%	1.2%	3.0%	0.0%	0.0%	4.2%	5.2%	0.0%	0.0%	11.5%	6.7%	0.0%	38.3%
Q3 2018	1.0%	4.3%	11.3%	6.3%	0.0%	5.4%	2.4%	11.7%	0.0%	0.0%	14.0%	0.2%	5.0%	38.3%
Q2 2018	0.0%	0.0%	9.6%	11.2%	0.0%	2.6%	0.0%	4.7%	0.5%	0.0%	2.4%	14.9%	4.0%	50.0%
Q1 2018	30.3%	4.7%	2.1%	13.6%	0.0%	1.9%	0.2%	0.5%	11.5%	1.8%	0.0%	8.6%	1.3%	23.6%

Q4 2017	30.9%	5.0%	5.0%	5.1%	13.3%	5.9%	3.9%	0.0%	18.1%	0.7%	2.2%	6.0%	0.0%	3.9%
Q3 2017	7.6%	13.2%	0.0%	12.0%	16.4%	18.3%	14.0%	0.0%	16.9%	0.0%	1.5%	0.0%	0.0%	0.0%
Q2 2017	12.2%	10.9%	1.0%	20.0%	11.7%	2.2%	4.4%	0.0%	7.8%	4.0%	0.0%	7.3%	0.0%	18.2%
Q1 2017	24.3%	0.0%	8.1%	13.3%	1.5%	0.0%	0.0%	8.1%	0.1%	0.4%	0.0%	1.6%	0.0%	42.5%
Q4 2016	0.7%	0.0%	10.4%	12.3%	0.0%	0.3%	12.7%	15.0%	2.4%	6.6%	0.0%	4.1%	3.3%	32.2%
Q3 2016	0.0%	4.3%	6.7%	1.0%	0.0%	19.8%	27.6%	13.3%	1.3%	8.8%	3.4%	8.7%	0.0%	5.2%
Q2 2016	3.9%	10.3%	0.5%	0.0%	0.0%	21.1%	31.1%	5.0%	0.0%	8.3%	3.8%	11.4%	0.2%	4.6%
Q1 2016	0.0%	10.9%	0.0%	1.4%	0.0%	33.1%	1.1%	0.0%	0.0%	1.7%	0.5%	5.8%	0.8%	44.7%
Q4 2015	0.0%	12.5%	0.0%	7.7%	0.0%	10.3%	18.6%	0.0%	0.0%	3.3%	0.0%	4.9%	0.8%	41.8%
Q3 2015	1.6%	3.3%	7.0%	10.8%	5.8%	9.9%	3.4%	1.6%	0.0%	3.3%	0.0%	0.0%	3.2%	50.0%
Q2 2015	0.0%	0.0%	12.5%	5.5%	12.7%	18.0%	2.7%	0.9%	0.9%	3.3%	1.5%	0.7%	1.7%	39.6%
Q1 2015	0.3%	16.7%	4.3%	11.9%	0.0%	39.4%	0.8%	0.0%	0.0%	0.0%	7.6%	0.0%	0.0%	19.1%
Q4 2014	8.3%	11.1%	0.0%	18.6%	0.0%	38.5%	0.2%	0.0%	1.4%	1.7%	4.4%	0.0%	0.0%	15.8%
Q3 2014	8.1%	6.7%	0.0%	11.4%	0.3%	35.8%	0.0%	0.0%	15.4%	3.3%	16.6%	2.1%	0.3%	0.0%
Q2 2014	13.0%	6.1%	0.0%	7.9%	0.0%	24.4%	16.9%	5.0%	2.6%	5.0%	11.7%	1.6%	0.8%	5.1%
Q1 2014	16.5%	0.0%	1.1%	20.0%	0.2%	0.1%	22.8%	12.3%	0.0%	0.0%	0.9%	1.8%	0.0%	24.3%
Q4 2013	9.6%	0.0%	3.8%	18.2%	3.1%	0.7%	4.4%	9.1%	0.0%	0.0%	0.0%	0.3%	0.8%	50.0%
Q3 2013	17.1%	8.8%	7.9%	10.0%	0.0%	0.8%	0.4%	5.1%	0.0%	0.0%	0.0%	0.2%	0.0%	49.8%
Q2 2013	19.9%	20.0%	7.9%	0.0%	6.2%	26.3%	0.0%	4.4%	0.0%	0.0%	11.0%	0.0%	0.8%	3.4%
Q1 2013	0.0%	6.7%	11.2%	0.0%	16.8%	13.8%	20.0%	7.7%	3.2%	5.0%	6.4%	0.0%	2.2%	7.0%
Q4 2012	2.3%	6.7%	0.0%	1.9%	5.3%	11.3%	38.8%	6.3%	2.0%	10.0%	1.4%	10.0%	1.7%	2.4%
Q3 2012	0.0%	14.3%	0.0%	11.2%	0.9%	34.4%	9.9%	3.7%	0.0%	10.0%	11.6%	0.2%	0.3%	3.7%
Q2 2012	5.8%	13.3%	0.0%	14.6%	0.0%	28.6%	0.0%	0.0%	0.0%	4.8%	8.4%	0.0%	4.2%	20.3%
Q1 2012	10.0%	12.5%	1.7%	6.7%	0.0%	28.6%	4.5%	0.3%	0.0%	1.7%	0.5%	0.3%	3.3%	30.0%
Q4 2011	0.0%	15.8%	0.0%	9.3%	0.0%	33.1%	0.0%	0.0%	0.0%	1.9%	0.0%	2.1%	3.9%	34.0%

#### Risks related 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 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 has a limited operating history and may perform in unanticipated ways.
- The ETFs composing the Index may be replaced by a substitute ETF in certain extraordinary events.
- The Index may perform poorly during periods characterized by short-term volatility.
- An investment linked to the Index carries the risks associated with the Index's momentum investment strategy.
- The Index may be partially uninvested.
- Correlation of performances among the ETFs may reduce the performance of the Index.
- The Index is subject to market risks
- Changes in the value of the ETFs may offset each other.
- The level of the Index will include the deduction of a change in the ICE LIBOR USD 3 Month interest rate and a fee.
- The Index comprises notional assets.

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### Use of simulated returns

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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 back-tested annualized performance and annualized volatility of the Index have inherent limitations. These performance and volatility results were achieved by means of a retroactive application of a back-tested volatility model designed with the benefit of hindsight. All hypothetical levels shown have inherent limitations. Alternative modelling techniques or assumptions may produce different hypothetical information that might prove to be more appropriate and that might differ significantly from the hypothetical information set forth above. Actual annualized performance and volatilities may vary materially from the information shown.

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 information. You should review and consider the hypothetical information only with the full Index methodology.

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Data sourced and calculated by Bloomberg and HSBC.

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<sup>1</sup> This cap can increase in increments of 10% (subject to a maximum weight of 100%) as described further in the offering document.