

# 2019 Long-Term Capital Market Assumptions

23<sup>rd</sup> Annual Edition | Assumptions matrix: Chinese Renminbi

Time-tested projections  
to build stronger portfolios



		Compound Return 2018 (%)				Annualized Volatility (%)				Arithmetic Return 2019 (%)				Compound Return 2019 (%)												
FIXED INCOME					China Cash	Chinese Government Bonds	Chinese Corporate Bonds	U.S. Aggregate Bonds	Global Aggregate Bonds	U.S. Inv Grade Corporate Bonds	U.S. High Yield Bonds	Emerging Markets Sovereign Debt	Emerging Markets Local Currency Debt	China Domestic Equity	China Offshore Listed & Hong Kong Equity	Hong Kong Equity	MSCI China Equity	U.S. Large Cap	European Large Cap	Japanese Equity	AC Asia ex-Japan Equity	Emerging Markets Equity	AC World Equity	Diversified Hedge Funds	Commodities	Gold
	China Cash	3.25%	3.26%	1.25%	3.25%	1.00																				
	Chinese Government Bonds	3.75%	3.79%	3.00%	3.50%	0.06	1.00																			
	Chinese Corporate Bonds	5.00%	5.04%	2.75%	4.75%	0.17	0.77	1.00																		
	U.S. Aggregate Bonds	3.00%	3.10%	4.50%	2.25%	0.12	0.18	0.18	1.00																	
	Global Aggregate Bonds	2.50%	2.65%	5.75%	1.75%	0.20	0.11	0.10	0.70	1.00																
	U.S. Inv Grade Corporate Bonds	3.50%	3.72%	6.75%	2.50%	0.11	0.09	0.06	0.85	0.69	1.00															
	U.S. High Yield Bonds	4.50%	4.84%	8.50%	4.25%	0.04	-0.07	-0.02	0.30	0.37	0.61	1.00														
	Emerging Markets Sovereign Debt	5.25%	5.67%	9.50%	4.25%	0.12	0.08	0.13	0.61	0.69	0.78	0.73	1.00													
	Emerging Markets Local Currency Debt	5.75%	6.37%	11.50%	5.25%	0.11	0.03	0.03	0.25	0.63	0.45	0.55	0.75	1.00												
EQUITY	China Domestic Equity	8.75%	12.79%	31.50%	7.25%	0.05	-0.16	-0.20	-0.02	0.08	0.13	0.29	0.23	0.26	1.00											
	China Offshore Listed & Hong Kong Equity	7.25%	9.69%	23.00%	6.50%	0.11	-0.14	-0.16	-0.03	0.28	0.28	0.51	0.50	0.65	0.62	1.00										
	Hong Kong Equity	5.75%	7.39%	19.25%	5.50%	0.12	-0.09	-0.09	0.05	0.31	0.38	0.63	0.58	0.66	0.52	0.91	1.00									
	MSCI China Equity	7.75%	10.52%	25.75%	6.75%	0.10	-0.15	-0.17	-0.02	0.26	0.25	0.46	0.46	0.62	0.64	0.99	0.84	1.00								
	U.S. Large Cap	4.25%	5.04%	13.75%	4.50%	-0.01	-0.08	-0.14	0.04	0.26	0.27	0.67	0.50	0.55	0.35	0.61	0.66	0.57	1.00							
	European Large Cap	5.75%	7.23%	18.25%	5.50%	0.02	-0.11	-0.12	0.04	0.41	0.33	0.68	0.59	0.69	0.34	0.71	0.75	0.66	0.87	1.00						
	Japanese Equity	5.75%	6.66%	14.25%	5.25%	0.01	-0.08	-0.12	0.06	0.25	0.35	0.59	0.46	0.53	0.28	0.57	0.62	0.54	0.67	0.72	1.00					
	AC Asia ex-Japan Equity	7.50%	9.23%	20.00%	7.25%	0.12	-0.11	-0.11	0.06	0.38	0.37	0.66	0.60	0.73	0.54	0.93	0.90	0.90	0.73	0.81	0.65	1.00				
	Emerging Markets Equity	7.50%	9.31%	20.50%	7.00%	0.09	-0.11	-0.10	0.03	0.40	0.33	0.67	0.61	0.79	0.50	0.89	0.87	0.86	0.74	0.84	0.65	0.98	1.00			
	AC World Equity	5.00%	6.12%	14.75%	5.00%	0.02	-0.10	-0.13	0.04	0.37	0.34	0.72	0.59	0.69	0.40	0.75	0.79	0.70	0.95	0.96	0.76	0.86	0.88	1.00		
ALTS	Diversified Hedge Funds	3.25%	3.56%	8.00%	3.25%	0.02	-0.20	-0.13	0.20	0.18	0.38	0.63	0.41	0.27	0.36	0.42	0.50	0.40	0.62	0.60	0.53	0.54	0.55	0.65	1.00	
	Commodities	1.25%	2.44%	15.75%	2.75%	-0.03	-0.16	-0.12	0.00	0.38	0.19	0.42	0.33	0.48	0.17	0.44	0.45	0.42	0.42	0.51	0.32	0.50	0.58	0.53	0.46	1.00
	Gold*	1.50%	3.00%	17.75%	3.00%	0.19	-0.02	-0.03	0.33	0.51	0.33	0.09	0.33	0.37	0.13	0.18	0.20	0.16	-0.05	0.06	-0.05	0.17	0.20	0.05	0.08	0.43

## CHINESE RENMINBI ASSUMPTIONS

Note: All estimates on this page are in CNY terms. Given the complex risk-reward trade-offs involved, we advise clients to rely on judgment as well as quantitative optimization approaches in setting strategic allocations to all of these asset classes and strategies. Please note that all information shown is based on qualitative analysis. Exclusive reliance on this information is not advised. This information is not intended as a recommendation to invest in any particular asset class or strategy or as a promise of future performance. Note that these asset class and strategy assumptions are passive only—they do not consider the impact of active management. References to future returns are not promises or even estimates of actual returns a client portfolio may achieve. Assumptions, opinions and estimates are provided for illustrative purposes only. They should not be relied upon as recommendations to buy or sell securities. Forecasts of financial market trends that are based on current market conditions constitute our judgment and are subject to change without notice. We believe the information provided here is reliable, but do not warrant its accuracy or completeness. This material has been prepared for information purposes only and is not intended to provide, and should not be relied on for, accounting, legal or tax advice.

Source: J.P. Morgan Asset Management; as of September 30, 2018. Alternative asset classes (including hedge funds, private equity, real estate, direct lending and infrastructure) are unlike other asset categories shown above in that there is no underlying investible index. The return estimates for these alternative asset classes and strategies are estimates of the industry average, net of manager fees. The dispersion of return among managers of these asset classes and strategies is typically significantly wider than that of traditional asset classes. \*Not directly comparable to 2018 assumptions. See strategy class discussion for details. Correlation figures shown are rounded to two significant figures, which may cause a loss of information. Correlations of value-added and core real estate in their local currencies are identical since value-added local returns are scaled versions of their corresponding core real estate local returns. All returns are nominal. *For reference index information, please visit our website.*

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