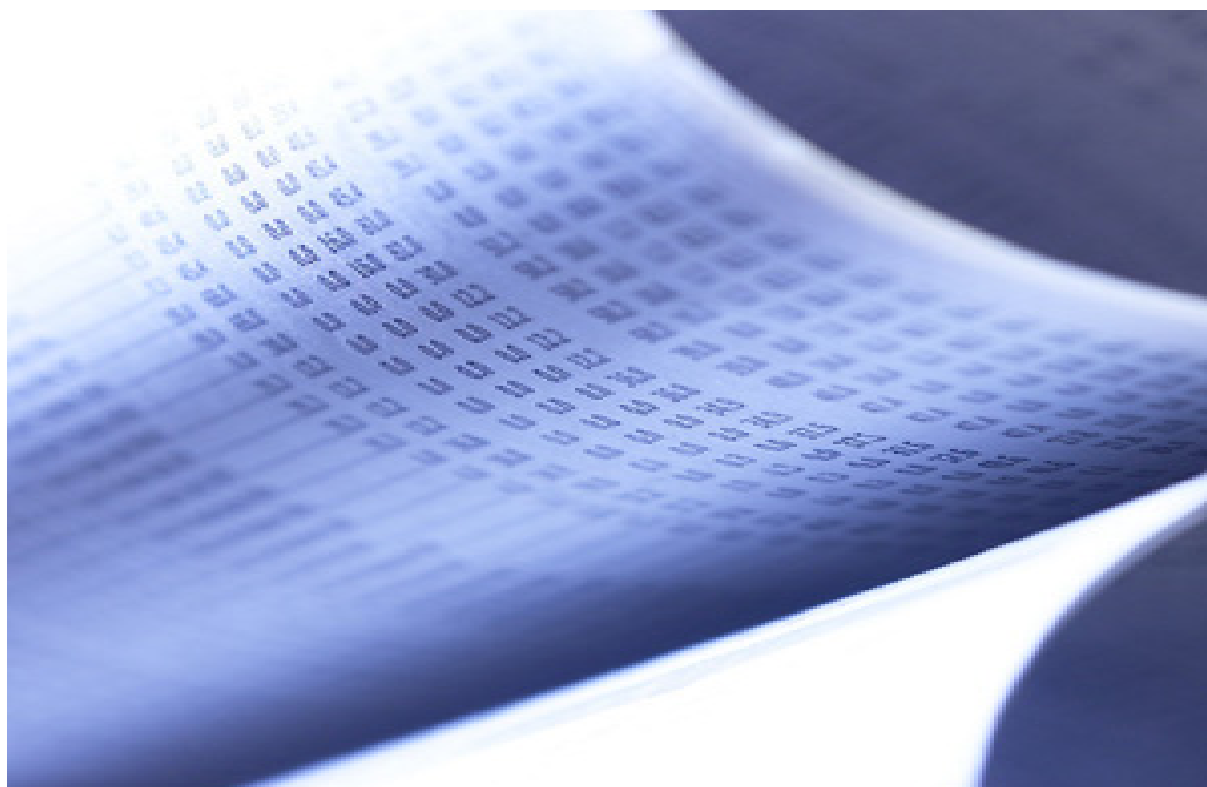


THIRD QUARTER 2016 PERFORMANCE & RISK- MONITORING REPORT

For CPFIS-Included Unit Trusts & Investment-Linked
Insurance Products



SEPTEMBER 2016

Thomson Reuters Lipper

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1 INTRODUCTION

Thomson Reuters Lipper has been appointed by Investment Management Association of Singapore (IMAS) and Life Insurance Association of Singapore (LIAS) to monitor the performance of all unit trusts and investment-linked insurance products included under the Central Provident Fund Investment Scheme (CPFIS). This report shows Lipper's findings for the three months ended September 30, 2016.

Important Disclaimers:

The data shown in this report is information for investors and is not a solicitation to buy, sell, or hold any fund. Past performance is not an indicator of future performance. Past performance is no guarantee of future return. This report should not be used as the sole basis for any investment decision. Before investing in any fund, investors should carefully read the prospectus or other necessary information about the fund. Thomson Reuters Lipper has used reasonable efforts in preparing this report based on data collected from the contributing asset management companies. However, Thomson Reuters Lipper doesn't guarantee the accuracy of the data contained herein and will not bear any responsibility for investment decisions of investors or for any loss arising from using the data presented in this report.

2 UPDATE ON CPFIS-INCLUDED FUNDS

As of September 30, 2016, there were 94 unit trusts and 174 investment-linked insurance products (ILPs) included under the CPFIS¹, for a total of 268 funds.

Table 1 Number of CPFIS-Included Funds

	As of End Q3-2016	As of End Q2-2016
Unit Trust	94	102
ILP	174	178
Total	268	280

Source: Central Provident Fund Board

Table 2 Newly Listed Products

	Risk Classification	CPFIS Focus	Detail	Lipper Classification
UT				
Eastspring Investments -Japan Dynamic Fund Class As (hedged)	HIGHER RISK	NARROWLY FOCUSED	Japan	Equity Japan
ILP				
TMLS Multi-Asset 30 Fund	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	Mixed Asset SGD Conservative
TMLS Multi-Asset 50 Fund	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	Mixed Asset SGD Balanced
TMLS Multi-Asset 70 Fund	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	Mixed Asset SGD Aggressive
TMLS Multi-Asset 90 Fund	HIGHER RISK	BROADLY DIVERSIFIED	N/A	Mixed Asset SGD Aggressive

Source: Central Provident Fund Board

¹ Find more information about unit trusts and investment-linked insurance products (ILPs) included under the CPF Investment Scheme at <https://www.cpf.gov.sg/Members/Schemes/schemes/optimising-my-cpf/cpf-investment-schemes>

Table 3 Delisted Products

	Risk Classification	CPFIS Focus	Detail	Lipper Classification
UT				
Henderson European Fund	Higher Risk	NARROWLY FOCUSED	Europe	Equity Europe
Henderson Global Technology Fund	Higher Risk	NARROWLY FOCUSED	Sector-Technology	Equity Sector Information Tech
Henderson Global Property Equities Fund	Higher Risk	NARROWLY FOCUSED	Sector-Others	Equity Sector Real Est Global
GrowthPath 2020	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	Target Maturity Other
GrowthPath 2030	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	Target Maturity Other
GrowthPath 2040	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	Target Maturity Other
GrowthPath Today	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	Mixed Asset SGD Conservative
AB FCP I-Global Equity Blend Portfolio	Higher Risk	BROADLY DIVERSIFIED	N/A	Equity Global
AB FCP I-Global Growth Trends Portfolio (Class A)	Higher Risk	BROADLY DIVERSIFIED	N/A	Equity Global
ILP				
Aviva Henderson European (SP)	Higher Risk	NARROWLY FOCUSED	Europe	Equity Europe
PruLink Oriental Opportunities Fund	Higher Risk	NARROWLY FOCUSED	Asia	Mixed Asset USD Aggressive
GreatLink Global Equity Fund	Higher Risk	BROADLY DIVERSIFIED	N/A	Equity Global
GreatLink Global Growth Trends Portfolio	Higher Risk	BROADLY DIVERSIFIED	N/A	Equity Global
GreatLink Global Optimum Fund	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	Mixed Asset SGD Balanced
Aviva AllianceBernstein Global Growth Trends (SP)	Higher Risk	BROADLY DIVERSIFIED	N/A	Equity Global
HSBC Insurance Global Equity Fund	Higher Risk	BROADLY DIVERSIFIED	N/A	Equity Global
HSBC Insurance China Equity Fund	Higher Risk	NARROWLY FOCUSED	Greater China	Equity China

Source: Central Provident Fund Board

3 MARKET DEVELOPMENTS IN Q3 2016²

3.1 Equity Markets

Most of the global equity markets rebounded and delivered positive returns for Q3 2016. The MSCI World Index rose 4.99% (in U.S.-dollar terms) for Q3 2016, while it rose a slight 1.21% for Q2 2016. Brazil's BOVESPA (Ibovespa) Index rallied 13.27% and took the lead among most of the global major markets for Q3 2016. For the U.S. market the NASDAQ index soared 9.69%, while the Dow Jones Industrial Average and the S&P 500 rose 2.11% and 3.31%, respectively, for the period. Most European equity markets also delivered positive performance for Q3 2016. The Xetra DAX, FTSE 100, and CAC 40 index rallied 8.58%, 6.07%, and 4.97%, respectively. In Asia the Indonesia Jakarta SE Composite Index soared 6.94%, while the Philippines PSE Composite CR index fell 2.14% for Q3 2016.

Table 4 Major Stock Market Indices (all return figures are in the respective local currencies)

Name	Price	Period ended 30-September-2016				
	2016/9/30	3 Months	6 Months	9 Months	1 Year	3 Years
BOVESPA (Ibovespa) TR	58,367.05	13.27	16.61	34.64	29.53	11.52
Hang Seng CR	23,297.15	12.04	12.13	6.31	11.76	1.91
NASDAQ Composite CR	5,312.00	9.69	9.08	6.08	14.97	40.85
Xetra DAX TR	10,511.02	8.58	5.47	-2.16	8.80	22.30
Jakarta SE Composite Index	5,364.80	6.94	10.72	16.80	27.01	24.30
RTS CR	990.88	6.46	13.09	30.89	25.47	-30.34
FTSE 100 CR	6,899.33	6.07	11.73	10.53	13.82	6.76
TAIEX CR	9,166.85	5.77	4.83	9.94	12.05	12.15
Nikkei 225 CR	16,449.84	5.61	-1.84	-13.58	-5.40	13.79
CAC 40 CR	4,448.26	4.97	1.44	-4.07	-0.16	7.36
S&P/ASX 200 CR AUD	5,435.92	3.87	6.95	2.64	8.25	4.16
KOSPI Composite CR	2,043.63	3.72	2.39	4.20	4.12	2.34
S&P 500 Composite CR	2,168.27	3.31	5.27	6.08	12.93	28.95
S&P BSE SENSEX	27,865.96	3.21	9.96	6.69	6.54	43.79
Thailand SET CR	1,483.21	2.65	5.36	15.15	9.95	7.23
Shanghai Composite CR	3,004.70	2.56	0.03	-15.10	-1.57	38.17
Dow Jones Industrial Average CR	18,308.15	2.11	3.52	5.07	12.43	21.01
Swiss Market Index CR	8,139.01	1.48	4.24	-7.70	-4.40	1.45
Singapore Straits Times CR	2,869.47	1.00	1.01	-0.46	2.82	-9.42
FTSE Bursa Malaysia KLCI CR	1,652.55	-0.09	-3.79	-2.36	1.94	-6.56
Philippine PSE Composite CR	7,629.73	-2.14	5.06	9.75	10.67	23.22

Source: Thomson Reuters Lipper

² Since the Singapore fund universe is not domestically focused and invests in a host of regions, currencies, and asset classes, discussion of global macroeconomic trends is imperative to understand fund performance. Furthermore, to avoid confusion from counter-directional currency movements (against the Singapore dollar) in the discussion of market trends, all index/average performance figures in this section are expressed in local-currency or U.S.-dollar terms.

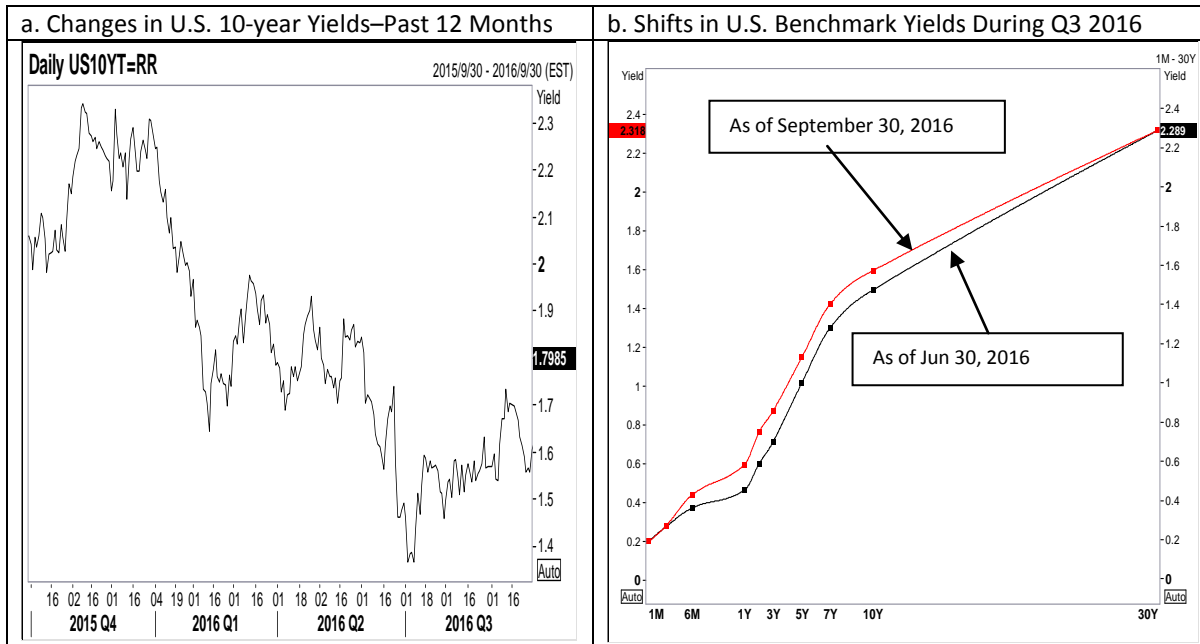
3.2 Bond Markets

The Citigroup WGBI rose 0.30% for the quarter (in USD). The ten-year Treasury ended at 1.606% for the third quarter of 2016 versus 1.492% at the end of Q2 2016.

3.3 The Outlook

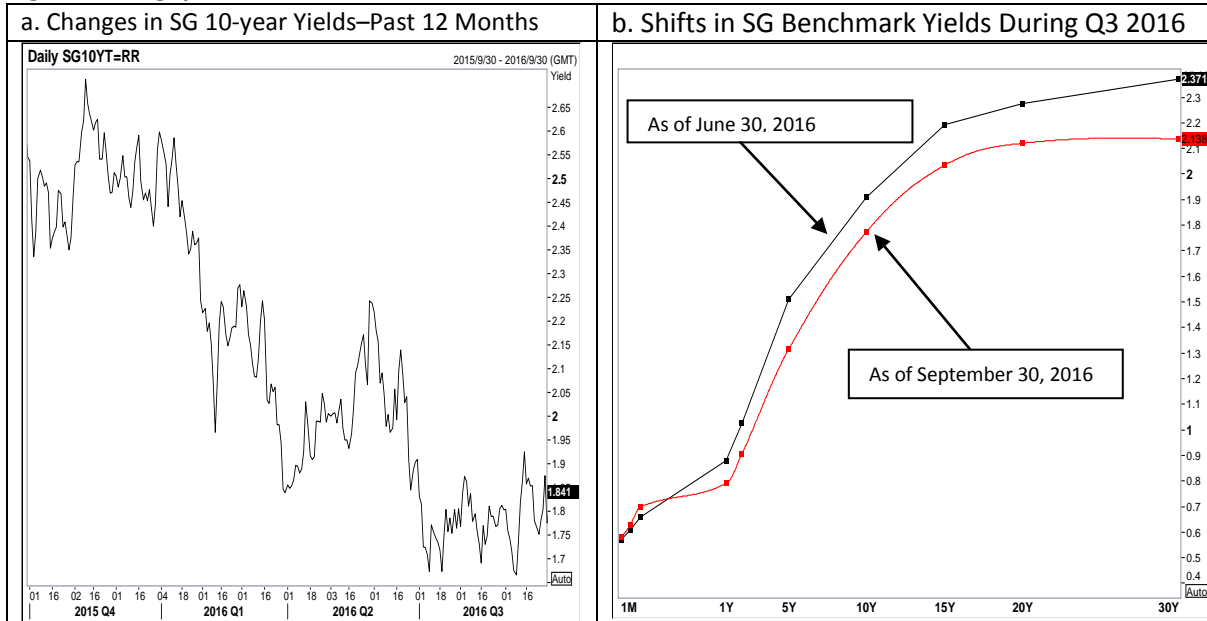
Global equity markets turned robust in Q3 2016. However, global investors were holding their breath and waiting for November's U.S. presidential election and a possible rate hike by the Federal Reserve at the end of this year. The final result of the battle between Donald Trump and Hillary Clinton was not confirmed as yet, and there were still many uncertainties. Investors were being warned that they shouldn't ignore the potential risk.

Figure 1 U.S. Government Bond Market Movements



Source: Thomson Reuters

Figure 2 Singapore Government Bond Market Movements



Source: Thomson Reuters

4 PERFORMANCE OF WORLDWIDE INDICES IN SGD

Table 5 Worldwide Indices' Performance in SGD

Name	Period ended 30-September-2016				
	3 Months	6 Months	9 Months	1 Year	3 Years
MSCI AC Asia ex Japan TR USD	11.69	12.20	8.42	12.37	21.39
MSCI EM (Emerging Markets) TR USD	10.58	11.40	11.83	12.39	7.99
MSCI World TR USD	6.36	7.59	1.94	7.42	31.03
STOXX Europe 50 CR EUR	3.56	1.74	-8.82	-7.79	-7.62
Citi WGBI TR USD	1.60	5.02	6.75	5.20	14.57
Singapore Straits Times CR	1.00	1.01	-0.46	2.82	-9.42
UOB Singapore Government Securities All 1+ Years	0.80	1.31	6.19	6.59	10.67
SIBOR SGD 3 Month	0.22	0.47	0.78	1.06	2.19

Source: Thomson Reuters Lipper

The above indices represent the benchmarks for various major financial markets, as follows:

Indices

Citigroup WGBI TR

MSCI AC Asia ex Japan TR

MSCI EM (Emerging Markets) TR

MSCI World TR

SIBOR SGD 3 Months

Singapore Straits Times CR

Stoxx Europe 50 CR

UOB Singapore Government Securities All 1+ Years

Financial Markets

Global bond markets

Asian ex-Japan equities

Emerging markets equities

Global equities

Singapore money markets

Singapore equities

European equities

Singapore bond markets

The minimum annual interest rate paid by the CPF board for the various accounts is as follows:

- Ordinary: 2.5%
- Special: 4.0%
- Medisave: 4.0%
- Retirement: 4.0%

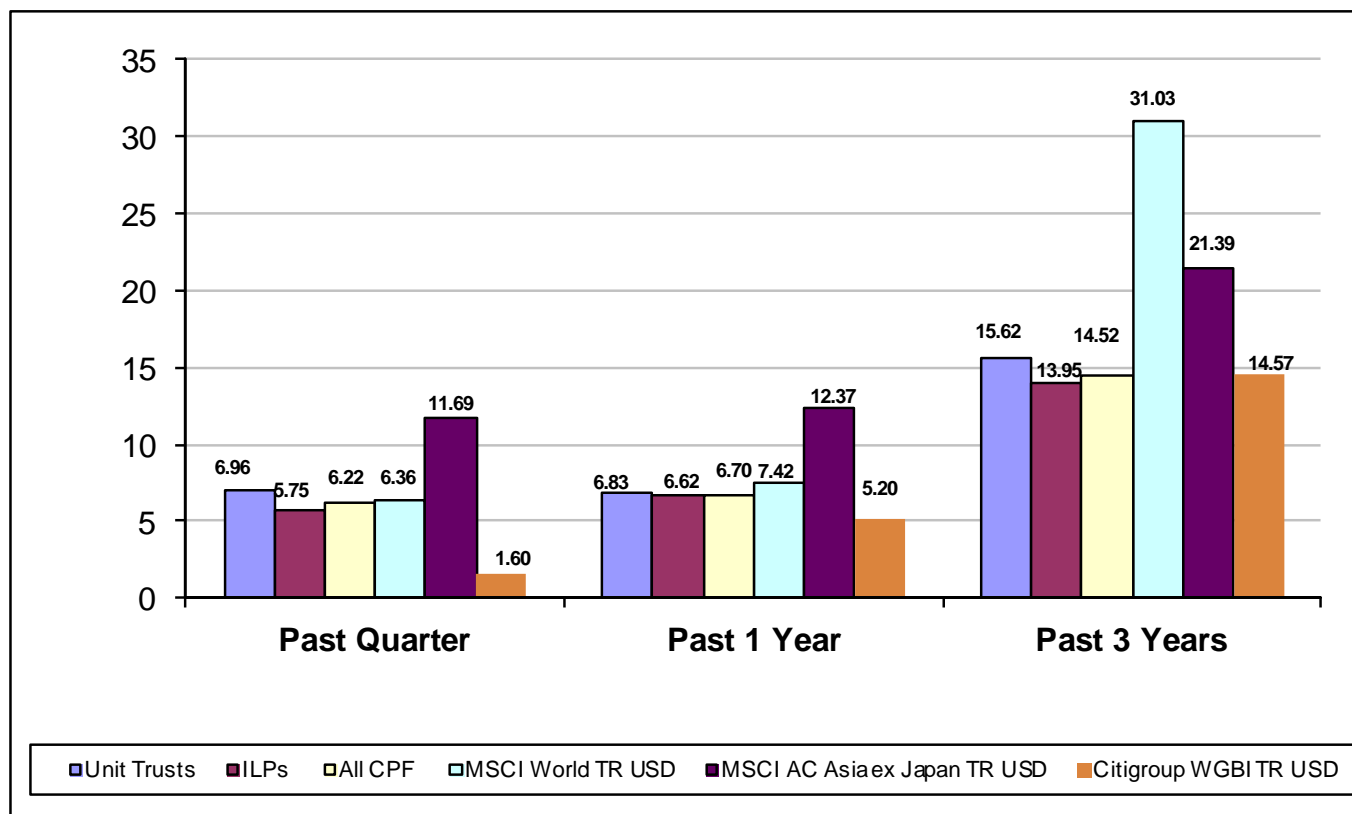
For more information about CPF interest rates please visit:

<https://www.cpf.gov.sg/Members/AboutUs/about-us-info/cpf-interest-rates>

SUMMARY OF PERFORMANCE OF CPFIS-INCLUDED FUNDS

The average returns³ of CPFIS-included unit trusts and ILPs are shown below:

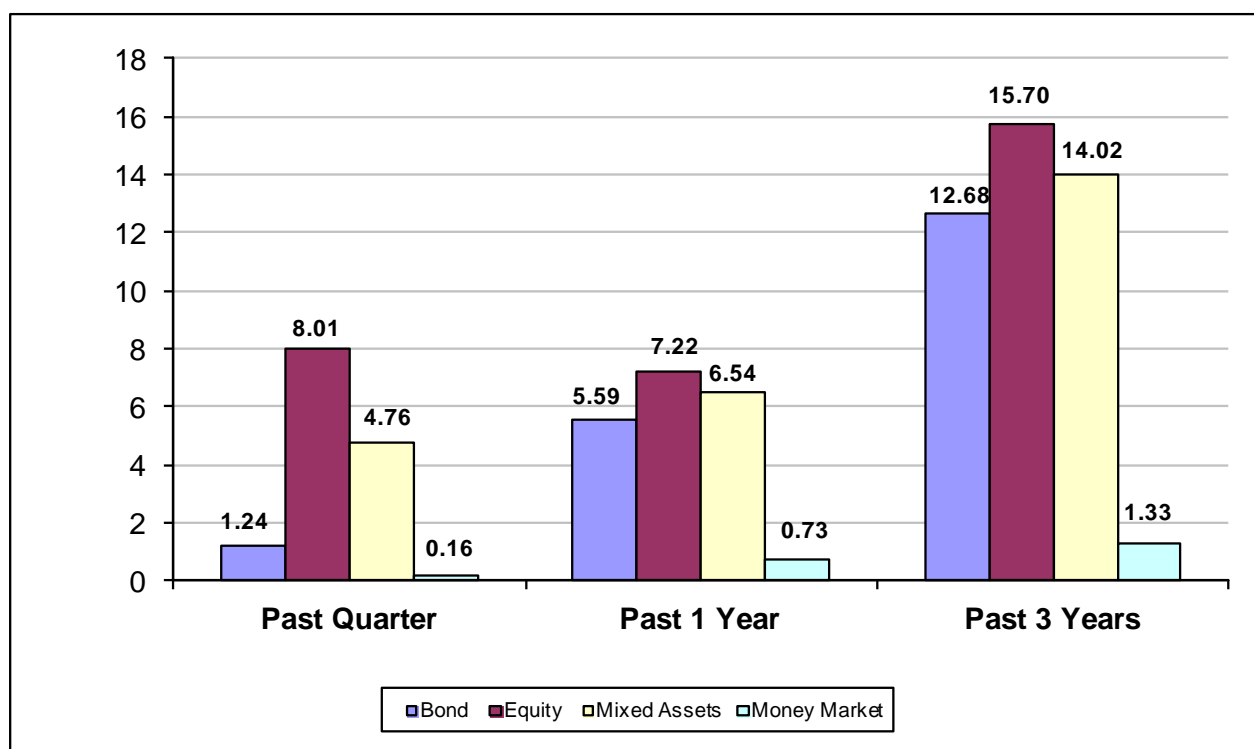
Figure 3 Average Performance of CPFIS-Included Funds at End Q3 2016 (% in SGD)



Source: Thomson Reuters Lipper

³ Average performance is calculated by a summation of all returns of funds in the group, divided by the number of funds.

Figure 4 Average Performance of CPFIS-Included Funds at End Q3 2016 by Asset Class (% in SGD)



Source: Thomson Reuters Lipper

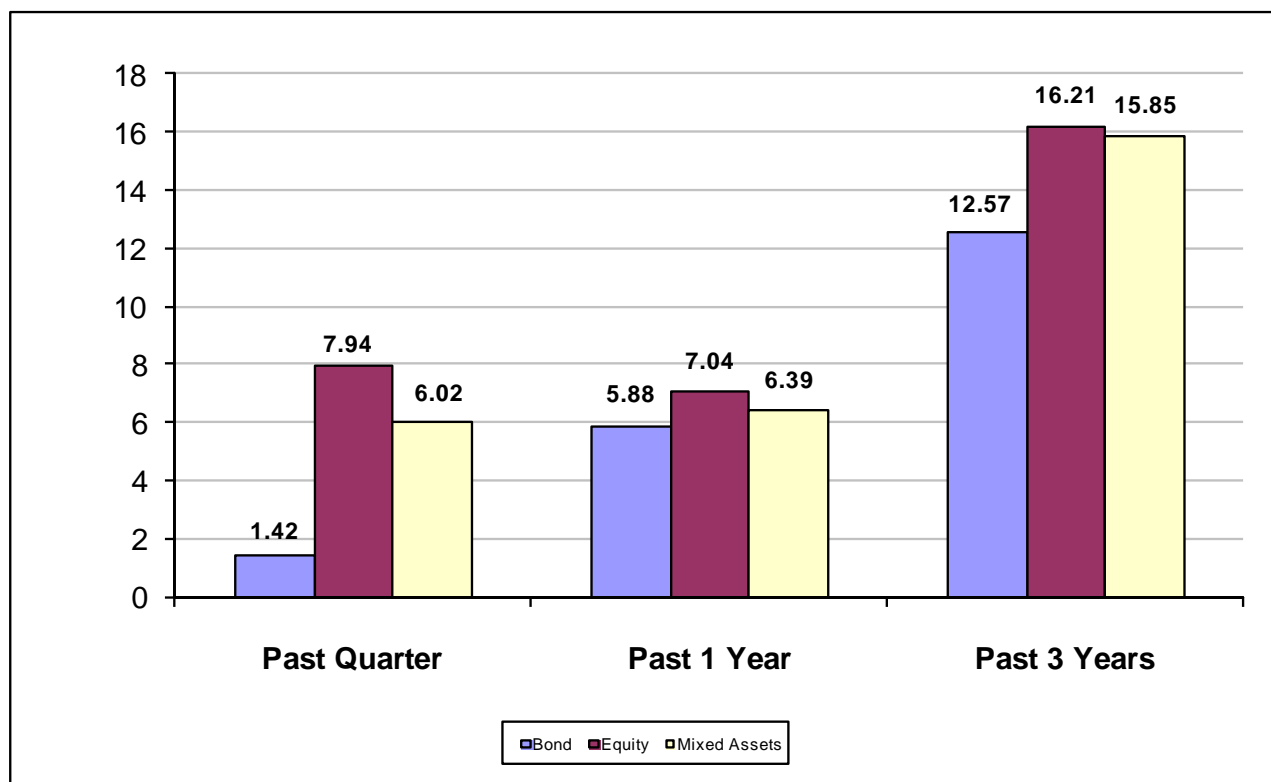
For the third quarter of 2016, the overall performance of CPFIS-included (unit trusts and ILPs combined) funds posted positive returns of 6.22% on average, given a positive return of 6.96% on average among CPFIS-included unit trusts and a positive return of 5.75% among CPFIS-included ILPs. For all the CPFIS-included, all assets posted a positive return. Equity, bond, mixed-asset and money market types posted 8.01%, 1.24%, 4.76% and 0.16%, respectively for the quarter. The MSCI World TR USD rallied 6.36% and the MSCI AC Asia ex Japan Index soared 11.69% for Q3 2016, while the Citigroup WGBI rose 1.60% for the quarter.

For the one year period the overall performance of CPFIS-included funds posted a positive return of 6.70% on average. CPFIS-included unit trusts rallied 6.83% on the year, and CPFIS-included ILPs soared 6.62% on average. During the same period the key benchmark MSCI World TR USD rallied 7.42% and MSCI AC Asia ex Japan Index soared 12.37%, respectively, while the Citigroup WGBI TR rose 5.20%. For the one-year period equity products (+7.22% on average) outperformed the bond (+5.59% on average), mixed-asset (+6.54% on average) and money market (+0.73%) type offering.

For the three-year period CPFIS-included funds soared 14.52% growth on average, accounted for by a gain of 15.62% on average from CPFIS-included unit trusts and 13.95% on average from CPFIS-included ILPs. During the same period MSCI World TR USD rallied 31.03%, while MSCI AC Asia ex Japan Index soared 21.39%, while the Citigroup WGBI TR rose 14.57%. Equity type was the leading gainers (+15.70%), while money market portfolio posted 1.33% on average for the period.

The average returns of CPFIS-included unit trusts by asset class⁴ are shown below:

Figure 5 Average Performance of CPFIS-Included Unit Trusts at End Q3-2016 by Asset Class (% in SGD)



Source: Thomson Reuters Lipper

During third quarter 2016, all asset types of UT portfolios posted positive return. Bond, equity and mixed-asset posted positive return of 1.42%, 7.94% and 6.02% on average, respectively.

On average for the one-year period, all asset types of UT portfolios also posted positive return. Bond, equity and mixed-asset posted positive return of 5.88%, 7.04% and 6.39% on average, respectively.

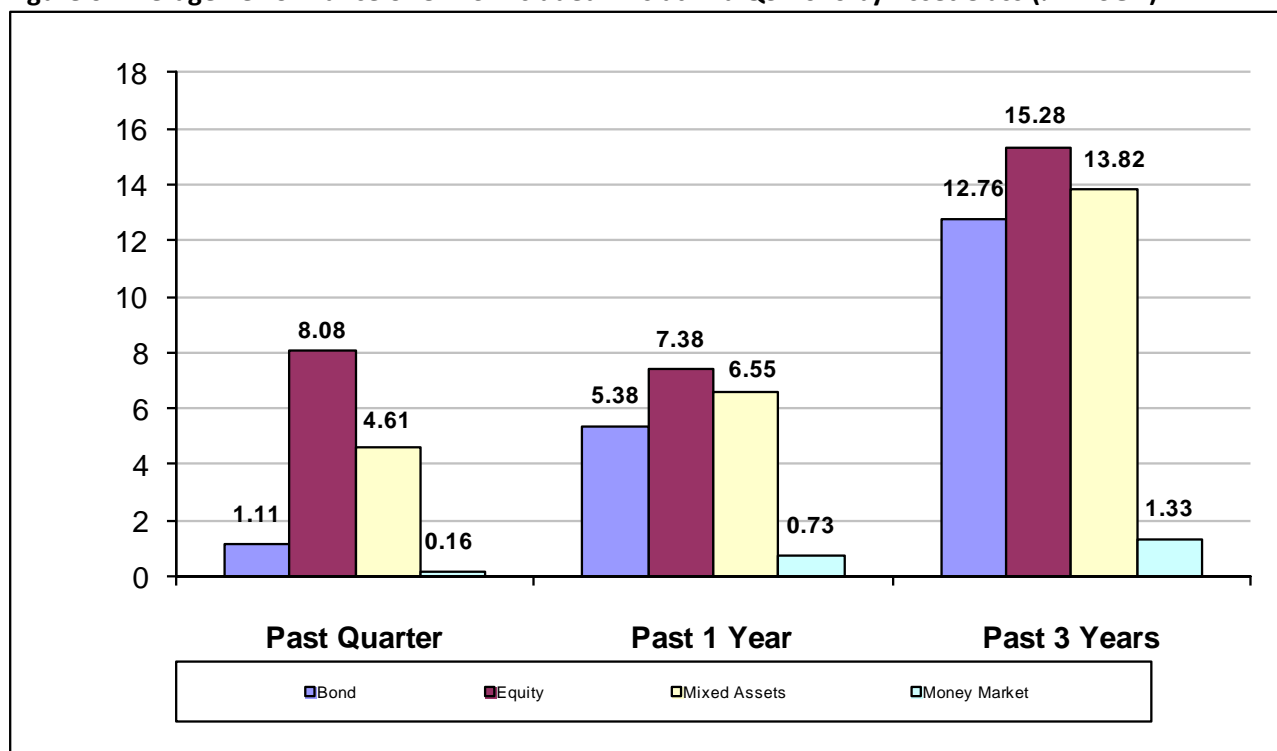
Equity products (+16.21%) outperformed the other asset class offerings over the three-year period, and mixed-asset and bond types posted gains of 15.85% and 12.57% on average, respectively, for the three years through September 2016.

⁴ Definition of asset types is as follows:

- Equity: Funds with the primary investment objective of investing in stock markets
- Bond: Funds with the primary investment objective of investing in fixed income markets with an average maturity > 1 year
- Mixed-asset: Funds with the primary investment objective of investing in a strategic mix of equities and fixed income securities
- Money market: Funds with the primary investment objective of investing in fixed income markets with an average residual life to maturity < 12 months

The average returns of CPFIS-included investment-linked insurance products by asset class are shown below:

Figure 6 Average Performance of CPFIS-Included ILPs at End Q3-2016 by Asset Class (% in SGD)



Source: Thomson Reuters Lipper

For third quarter 2016 ILP portfolios, all asset types of ILP portfolios posted positive return. Bond, equity, mixed-asset and money market type posted positive return of 1.11%, 8.08%, 4.61% and 0.16% on average, respectively.

For the one-year period equity products (+7.38% on average) outperformed the bond offerings (+5.38% on average), mixed-asset type (+6.55% on average) and money market (+0.73% on average). For the three-year period equity funds were the leading gainers (+15.28%). Bond, mixed-asset and money market portfolios delivered 12.76%, 13.82% and 1.33% growth, on average, respectively.

The average returns of CPFIS-included unit trusts by Lipper Global Classification⁵ are shown below:

Table 6 Average Performance of CPFIS-Included Unit Trusts by Lipper Global Classification (% Growth in SGD)

Name	% Growth	% Growth	% Growth	% Growth	% Growth
	3M 30/06/2016	6M 31/03/2016	9M 31/12/2015	1Y 30/09/2015	3Y 30/09/2013
	To 30/09/2016	To 30/09/2016	To 30/09/2016	To 30/09/2016	To 30/09/2016
Bond Global (4)	0.82	1.86	3.32	3.77	10.20
Bond SGD (8)	1.73	3.06	6.50	7.10	14.08
Equity ASEAN (1)	2.88	2.27	0.12	5.80	-18.26
Equity Asia Pacific (1)	11.20	14.69	5.37	11.98	11.20
Equity Asia Pacific ex Japan (9)	9.23	11.19	8.22	12.01	16.12
Equity Asia Pacific Sm&Mid Cap (4)	9.67	10.83	5.18	7.37	23.14
Equity China (3)	15.50	15.80	4.76	11.64	26.71
Equity Emerging Mkts Asia (1)	12.06	14.89	4.65	5.20	35.12
Equity Emerging Mkts Global (4)	9.32	11.40	9.93	12.20	6.88
Equity Europe (10)	6.43	3.01	-4.85	-2.40	10.42
Equity Global (6)	7.57	9.40	6.13	11.11	4.72
Equity Global Income (6)	5.11	3.91	0.15	5.27	15.28
Equity Greater China (6)	13.58	13.24	5.77	9.97	13.17
Equity India (3)	6.75	12.86	6.69	4.24	91.44
Equity Indonesia (1)	6.16	12.55	12.09	21.58	-7.71
Equity Japan (4)	10.90	6.78	-6.63	1.72	18.60
Equity Korea (1)	10.13	-2.81	-4.40	-2.33	-9.13
Equity Malaysia (1)	2.44	-2.44	4.80	9.25	-13.07
Equity Malaysia/Singapore (1)	2.08	-1.66	0.78	7.24	-9.51
Equity Sector Biotechnology (1)	15.53	17.28	-15.66	-7.80	39.78
Equity Sector Information Tech (1)	15.02	12.68	3.97	14.74	49.05
Equity Sector Real Est Global (1)	0.78	2.04	-0.29	3.19	30.83
Equity Singapore (6)	3.46	4.50	4.25	8.07	-1.21
Equity Thailand (3)	5.67	8.79	15.99	13.19	9.84
Mixed Asset SGD Balanced (5)	5.15	6.29	3.91	5.96	16.05
Mixed Asset USD Aggressive (1)	10.05	9.15	2.69	8.53	14.88
Mixed Asset USD Bal - Global (1)	6.35	4.18	-1.72	0.00	0.00
Equity US (6)	5.77	6.74	0.97	8.95	41.82
Absolute Return Other (1)	7.64	6.96	3.05	13.42	16.55
Equity Sector Healthcare (2)	5.08	10.73	-5.13	3.04	56.75
Equity Sector Financials (1)	7.38	4.93	-2.91	0.49	14.28
Bond Asia Pacific LC (2)	1.41	2.62	4.19	5.22	9.99
Equity Japan Income (2)	7.99	-2.59	-10.27	-2.48	24.08
Grand Total (107)	6.96	7.31	3.17	6.83	15.81

Source: Thomson Reuters Lipper

Remark: The average calculation includes the different share classes of the funds.

⁵ For more information please go to Section 7.2—Investment Terminology Definitions.

The average returns of CPFIS-included ILPs by Lipper Global Classification are shown below:

Table 7 Average Performance of CPFIS-Included ILPs by Lipper Global Classification (% Growth in SGD)

Name	% Growth	% Growth	% Growth	% Growth	% Growth
	3M 30/06/2016	6M 31/03/2016	9M 31/12/2015	1Y 30/09/2015	3Y 30/09/2013
	To 30/09/2016	To 30/09/2016	To 30/09/2016	To 30/09/2016	To 30/09/2016
Bond Global (12)	0.82	2.50	4.71	4.63	12.01
Bond SGD (7)	1.62	3.01	6.50	6.84	13.93
Equity ASEAN (2)	2.86	2.19	0.00	5.60	-18.09
Equity Asia Pacific (1)	11.20	14.69	5.37	11.98	11.20
Equity Asia Pacific ex Japan (12)	9.64	11.15	7.80	10.26	7.22
Equity Asia Pacific Sm&Mid Cap (4)	11.60	11.12	3.06	5.64	0.07
Equity China (3)	15.63	15.50	3.99	10.28	21.37
Equity Emerging Mkts Asia (1)	12.05	14.89	4.65	5.22	35.18
Equity Emerging Mkts Global (6)	9.38	10.78	8.31	10.72	8.82
Equity Europe (4)	5.93	2.97	-3.34	-2.35	3.13
Equity Global (19)	6.42	7.65	2.68	6.54	12.51
Equity Greater China (4)	14.66	14.08	7.53	11.95	27.73
Equity India (5)	3.94	10.64	4.45	4.51	64.66
Equity Japan (5)	11.52	10.78	-2.88	5.52	11.00
Equity Sector Information Tech (4)	14.78	14.08	4.92	14.16	52.14
Equity Sector Real Est Global (2)	2.75	3.93	1.47	5.00	31.03
Equity Singapore (10)	3.10	3.91	3.99	6.10	-2.13
Mixed Asset SGD Aggressive (13)	4.94	5.87	3.61	6.95	10.59
Mixed Asset SGD Balanced (34)	4.89	5.93	4.07	6.90	14.83
Mixed Asset SGD Conservative (10)	2.47	3.66	4.22	5.48	12.57
Mixed Asset USD Bal - Global (1)	6.32	4.19	-1.71	-0.19	0.00
Money Market SGD (6)	0.16	0.34	0.56	0.73	1.33
Target Maturity Other (5)	5.49	6.71	4.08	6.74	16.73
Equity US (1)	5.40	7.55	1.37	8.44	45.79
Bond Other Hedged (1)	0.40	2.37	5.55	5.37	15.99
Equity Sector Healthcare (2)	5.10	10.63	-4.87	3.13	56.90
Bond Asia Pacific LC (1)	1.70	3.04	4.47	5.73	0.00
Grand Total (175)	5.75	6.82	3.80	6.62	13.95

Source: Thomson Reuters Lipper

Remark: The average calculation includes the different share classes of the funds.

5 SUMMARY OF RISK-ADJUSTED PERFORMANCE

The Lipper Leader rating methodology consists of four metrics that rate funds' success in meeting certain goals:

- **Total Return: Ability of a fund to provide superior total return compared to its peers**
- **Consistent Return: Ability of a fund to provide relatively superior consistency and risk-adjusted return compared to its peers**
- **Preservation: Ability of a fund to demonstrate superior preservation of capital in a variety of markets compared with other funds in its asset class**
- **Expense: Ability of a fund to successfully manage to keep its expenses low relative to its peers and within its load structure**

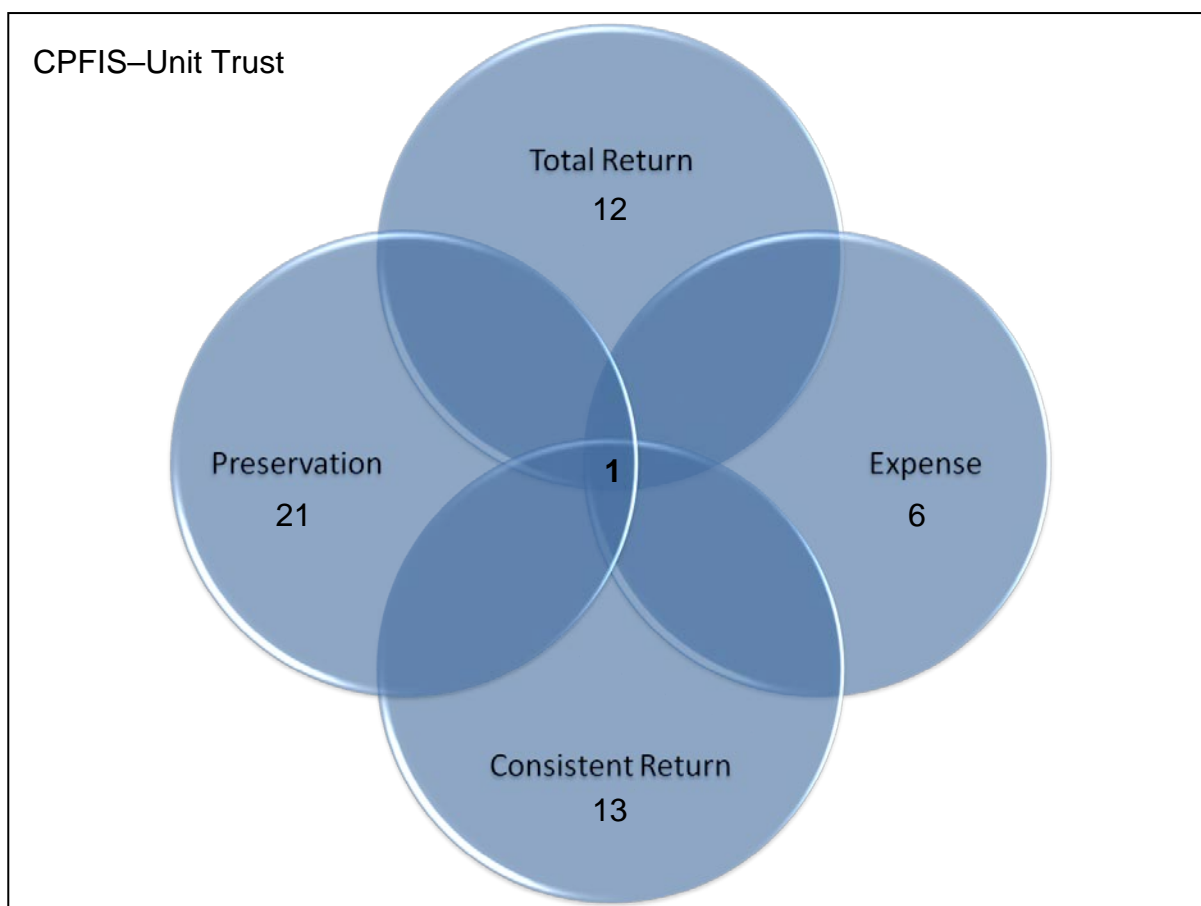
Funds are ranked against their Lipper peer group classifications for a three-year period. In other words, if a fund doesn't have at least three years of historical performance and it is not in a group with more than five funds, it is not rated by Lipper. The rating is based on an equal-weighted average of percentile ranks of the four Lipper Leader metrics.

For each metric:

- The top 20% of funds receive a rating of "5" and are named **Lipper Leaders**.
- The next 20% of funds receive a rating of "4."
- The middle 20% of funds receive a rating of "3."
- The next 20% of funds receive a rating of "2."
- The lowest 20% of funds receive a rating of "1."

5.1 Lipper Leader Rating for CPFIS-Included Unit Trusts

Figure 6 Venn Diagram of CPFIS–Included Unit Trusts With a Lipper Leader Rating (Rating of “5”)



Source: Thomson Reuters Lipper

As of the end of September 2016 the number of CPFIS-included unit trusts in the top 20% of funds, receiving a rating of “5” and named Lipper Leaders in each metric, was as follows:

- Total Return: 12 funds
- Consistent Return: 13 funds
- Preservation: 21 funds
- Expense: 6 funds

First State Bridge is the only one CPFIS-included unit trust received a rating of “5” (Lipper Leader) in all four metrics.

Table 8 Full List of CPFIS-Included Unit Trusts with a Lipper Leader Rating

Name	Lipper Global Classification	3 Years Lipper Rating			
		Consistent Return	Expense	Total Return	Preservation
AB SICAV I-International Health Care Portfolio (Class A) - SGD	Equity Sector Healthcare	4	2	3	4
Aberdeen Asian Smaller Companies Fund	Equity Asia Pacific Sm&Mid Cap	1	3	1	3
Aberdeen China Opportunities Fund	Equity Greater China	1	3	1	2
Aberdeen European Opportunities Fund	Equity Europe	1	3	1	2
Aberdeen Global Emerging Markets Fund	Equity Emerging Mkts Global	3	3	3	2
Aberdeen Global Opportunities Fund	Equity Global	1	3	1	4
Aberdeen India Opportunities Fund	Equity India	2	3	2	2
Aberdeen Indonesia Equity Fund	Equity Indonesia	1	4	1	1
Aberdeen Malaysian Equity Fund	Equity Malaysia	2	2	3	2
Aberdeen Pacific Equity Fund	Equity Asia Pacific ex Japan	1	3	1	3
Aberdeen Singapore Equity Fund	Equity Singapore	2	2	2	4
Aberdeen Thailand Equity Fund	Equity Thailand	1	4	1	2
Allianz Europe Equity Growth - Class AT (H2-SGD)	Equity Europe	Leader	2	Leader	3
Allianz Global Investors Premier Funds – Allianz Global High Payout Fund - SGD	Equity Global Income	3	2	3	Leader
Allianz Global Investors Premier Funds – Allianz Global High Payout Fund (USD Share Class)	Equity Global Income	3	2	3	Leader
Allianz Oriental Income - Class AT (SGD)	Mixed Asset USD Aggressive	2	3	2	1
Amundi Opportunities-Amundi Singapore Dividend Growth (AS-D Class)	Equity Singapore	1	3	1	2
APS Alpha Fund (SGD)	Absolute Return Other	Leader	Leader	Leader	4
Capital Group European Growth and Income Fund (LUX) – Share Class B, Currency EUR	Equity Europe	4	3	4	3
Capital Group European Growth and Income Fund (LUX) – Share Class B, Currency USD	Equity Europe	3	3	4	3
Capital Group European Growth and Income Fund (LUX) – Share Class Bd, Currency EUR	Equity Europe	4	3	4	3
Capital Group European Growth and Income Fund (LUX) – Share Class Bd, Currency USD	Equity Europe	3	3	4	3
Deutsche China Equity Fund (Class A)	Equity China	2	3	2	1
Deutsche Global Themes Equity Fund - Class A - SGD	Equity Global	2	3	2	3
Deutsche Lion Bond Fund (Class A)	Bond Global	2	Leader	2	Leader
Deutsche Premier Select Trust	Mixed Asset SGD Balanced	2	Leader	2	4
Eastspring Investments - Japan Dynamic Fund Class As (hedged)	Equity Japan	2	3	3	1
Eastspring Investments Unit Trusts – Asian Balanced Fund	Mixed Asset SGD Balanced	3	4	4	4
Eastspring Investments Unit Trusts - Dragon Peacock Fund	Equity Emerging Mkts Asia	3	4	4	3
Eastspring Investments Unit Trusts – Global Technology Fund	Equity Sector Information Tech	3	4	3	4
Eastspring Investments Unit Trusts – Pan European Fund	Equity Europe	4	3	4	3
Eastspring Investments Unit Trusts – Singapore ASEAN Equity Fund	Equity Singapore	1	3	3	3
Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class A	Bond SGD	Leader	3	Leader	Leader
Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class AD	Bond SGD	Leader	3	Leader	Leader
Eastspring Investments-Asian Equity Income Fund Class as Hedged	Equity Asia Pacific ex Japan	1	4	1	1

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Name	Lipper Global Classification	3 Years Lipper Rating			
		Consistent Return	Expense	Total Return	Preservation
First State Asian Growth Fund	Equity Asia Pacific ex Japan	3	3	4	Leader
First State Bridge	Mixed Asset SGD Balanced	Leader	Leader	Leader	Leader
First State Dividend Advantage	Equity Asia Pacific ex Japan	Leader	3	Leader	Leader
First State Global Resources Fund	Equity Global	1	3	1	1
First State Regional China Fund	Equity Greater China	3	4	3	3
Franklin Templeton Investment Funds - Templeton Emerging Markets Fund A(acc)SGD	Equity Emerging Mkts Global	2	1	2	2
Franklin Templeton Investment Funds – Templeton Asian Growth Fund A(acc)SGD	Equity Asia Pacific ex Japan	1	2	1	2
Franklin Templeton Investment Funds – Templeton China Fund A(acc)SGD	Equity Greater China	1	1	1	2
Franklin Templeton Investment Funds – Templeton European Fund A(acc)SGD	Equity Europe	1	2	1	2
Franklin Templeton Investment Funds – Templeton Korea Fund A(acc)SGD	Equity Korea	2	2	1	2
Franklin Templeton Investment Funds – Templeton Thailand Fund A(acc)SGD	Equity Thailand	Leader	2	Leader	2
Legg Mason Western Asset Asian Enterprise Trust (Class A (SGD) Accumulating)	Equity Asia Pacific Sm&Mid Cap	1	4	1	2
Legg Mason Western Asset Global Bond Trust (Class A (SGD) Accumulating)	Bond Global	4	4	4	Leader
Legg Mason Western Asset Singapore Bond Fund (Class A (SGD) Accumulating)	Bond SGD	3	2	3	Leader
Legg Mason Western Asset Southeast Asia Special Situations Trust (Class A (SGD) Accumulating)	Equity ASEAN	1	3	1	1
LionGlobal China Growth Fund (SGD)	Equity Greater China	3	4	3	2
LionGlobal Japan Growth Fund (SGD)	Equity Japan	Leader	3	Leader	3
LionGlobal Short Duration Bond Fund	Bond Global	3	Leader	3	Leader
LionGlobal Singapore / Malaysia Fund (SGD)	Equity Malaysia/Singapore	2	N/A	2	2
LionGlobal TEAM - Singapore Fixed Income Investment (Class A)	Bond SGD	3	2	3	Leader
LionGlobal Thailand Fund (SGD)	Equity Thailand	1	3	1	1
Nikko AM Asia Investment Funds - Nikko AM Shenton Global Property Securities Fund S\$ Class	Equity Sector Real Est Global	4	4	4	4
Nikko AM Shenton Japan Fund (S\$) Class	Equity Japan	3	4	3	2
Nikko AM Shenton Short Term Bond Funds - Nikko AM Shenton Short Term Bond Fund (S\$) Class	Bond Global	2	Leader	2	Leader
Nikko AM Shenton Thrift Fund	Equity Singapore	4	4	4	4
PineBridge Asia Ex Japan Small Cap Equity Fund - Class A5CP	Equity Asia Pacific Sm&Mid Cap	Leader	2	Leader	Leader
PineBridge Asia Ex Japan Small Cap Equity Fund - Class Y	Equity Asia Pacific Sm&Mid Cap	Leader	4	Leader	Leader
Pinebridge India Equity Fund - Class A5CP	Equity India	Leader	3	Leader	4
PineBridge International Funds - Acorns of Asia Balanced Fund	Mixed Asset SGD Balanced	3	2	3	4
PineBridge International Funds - Singapore Bond Fund	Bond SGD	4	1	4	Leader
Pinebridge US Large Cap Research Enhanced Fund - Class Y	Equity US	4	4	4	Leader
Schroder Asian Equity Yield Fund	Equity Asia Pacific ex Japan	4	3	4	Leader
Schroder Asian Growth Fund	Equity Asia Pacific ex Japan	Leader	4	Leader	4
Schroder Asian Investment Grade Credit	Bond Asia Pacific LC	2	4	2	Leader
Schroder China Opportunities Fund	Equity China	Leader	3	4	2
Schroder Global Emerging Market Opportunities Fund	Equity Emerging Mkts Global	3	3	4	3

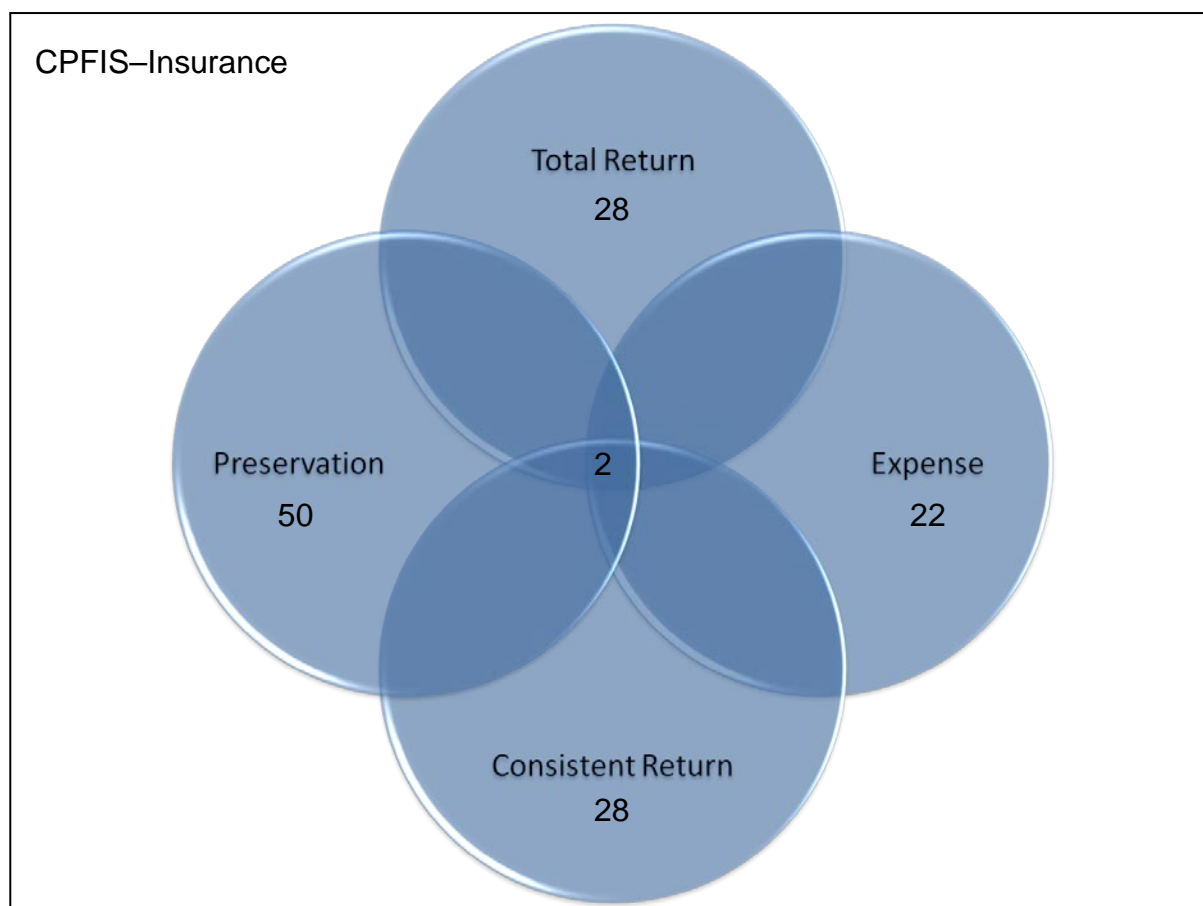
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Name	Lipper Global Classification	3 Years Lipper Rating			
		Consistent Return	Expense	Total Return	Preservation
Schroder Multi-Asset Revolution Class A	Mixed Asset SGD Balanced	4	3	4	Leader
Schroder Singapore Fixed Income Fund Class A	Bond SGD	3	2	3	Leader
Schroder Singapore Trust Class A	Equity Singapore	4	4	Leader	4
United Asia Top-50 Fund	Equity Asia Pacific	3	1	3	4
United Global Financials Fund	Equity Sector Financials	3	1	3	3
United Global Healthcare Fund	Equity Sector Healthcare	Leader	2	Leader	2
United International Growth Fund	Equity Global	3	4	3	Leader
United SGD Fund - Class A (ACC) SGD	Bond SGD	2	3	2	Leader
United Singapore Bond Fund	Bond SGD	Leader	2	4	Leader
United Singapore Growth Fund	Equity Singapore	1	4	1	2

Source: Thomson Reuters Lipper

5.2 Lipper Leader Rating for CPFIS-Included ILPs

Figure 7 Venn Diagram of CPFIS-Included ILPs With a Lipper Leader Rating (Rating of “5”)



Source: Thomson Reuters Lipper

As of the end of September 2016 the number of CPFIS-included ILPs in the top 20% of funds, receiving a rating of “5” and named Lipper Leaders, in each metric was as follows:

- Total Return: 28 funds
- Consistent Return: 28 funds
- Preservation: 50 funds
- Expense: 22 funds

Two of the CPFIS-included ILPs received a rating of “5” (Lipper Leader) in all four metrics combined. They are: AIA Portfolio 30 and NTUC Global Managed Fund (Balanced).

Table 9 Full List of CPFIS-Included ILPs with a Lipper Leader Rating

Name	Lipper Global Classification	3 Years Lipper Rating			
		Consistent Return	Expense	Total Return	Preservation
AIA Acorns of Asia Fund	Mixed Asset SGD Balanced	Leader	3	Leader	4
AIA Emerging Markets Balanced Fund	Mixed Asset SGD Balanced	2	3	2	3
AIA Emerging Markets Equity Fund	Equity Emerging Mkts Global	3	3	4	3
AIA Global Balanced Fund	Mixed Asset SGD Balanced	Leader	3	Leader	4
AIA Global Bond Fund	Bond Other Hedged	Leader	3	Leader	Leader
AIA Global Resources Fund	Equity Global	1	3	1	1
AIA Global Technology Fund	Equity Sector Information Tech	Leader	4	4	3
AIA Greater China Balanced Fund	Mixed Asset SGD Balanced	Leader	3	Leader	2
AIA Greater China Equity Fund	Equity Greater China	Leader	4	Leader	2
AIA Growth Fund	Mixed Asset SGD Aggressive	1	Leader	1	2
AIA India Balanced Fund	Mixed Asset SGD Balanced	Leader	3	Leader	2
AIA India Opportunities Fund	Equity India	2	4	2	2
AIA International Health Care Fund	Equity Sector Healthcare	4	2	4	4
AIA Japan Balanced Fund	Mixed Asset SGD Balanced	3	3	3	2
AIA Japan Equity Fund	Equity Japan	2	3	2	2
AIA Portfolio 100	Equity Global	2	3	2	Leader
AIA Portfolio 30	Mixed Asset SGD Conservative	Leader	Leader	Leader	Leader
AIA Portfolio 50	Mixed Asset SGD Balanced	4	3	4	Leader
AIA Portfolio 70	Mixed Asset SGD Aggressive	Leader	3	Leader	4
AIA Regional Fixed Income Fund	Bond SGD	3	2	3	Leader
Aviva Aberdeen Pacific Equity (SP)	Equity Asia Pacific ex Japan	1	1	1	3
Aviva Balanced Growth (SP)	Mixed Asset SGD Balanced	3	1	2	3
Aviva Capital Growth (SP)	Equity Asia Pacific ex Japan	3	2	3	Leader
Aviva Income Growth (SP)	Mixed Asset SGD Conservative	1	1	1	Leader
Aviva Legg Mason Western Asset Asian Enterprise Trust (SP)	Equity Asia Pacific Sm&Mid Cap	1	3	1	2
Aviva Legg Mason Western Asset Global Bond Trust (SP)	Bond Global	3	1	3	Leader
Aviva LionGlobal Japan Growth (SP)	Equity Japan	3	1	4	2
Aviva MM Balanced Growth	Mixed Asset SGD Balanced	3	Leader	3	4
Aviva MM Capital Growth	Equity Asia Pacific ex Japan	3	Leader	3	Leader
Aviva MM Income Growth	Mixed Asset SGD Conservative	2	4	2	Leader
Aviva Nikko AM Shenton Short Term Bond (SP)	Bond Global	2	1	2	Leader
Aviva Schroder Multi Asset Revolution	Mixed Asset SGD Balanced	4	3	4	4
AXA Asian Balanced Fund	Mixed Asset SGD Balanced	Leader	3	Leader	4
AXA Asian Growth Fund	Equity Asia Pacific ex Japan	3	3	2	4
AXA China Growth Fund	Equity Greater China	2	4	2	2
AXA Fortress Fund A	Equity Singapore	Leader	2	Leader	Leader
AXA Fortress Fund B	Equity Singapore	Leader	2	Leader	4
AXA Global Balanced Fund	Mixed Asset SGD Balanced	4	3	3	Leader
AXA Global Defensive Fund	Bond Global	4	4	4	Leader
AXA Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	3	3	4	3
AXA Global Equity Blend	Equity Global	4	3	4	4
AXA Global Growth Fund	Mixed Asset SGD Aggressive	4	3	4	4
AXA Global High Growth Fund	Equity Global	3	3	2	4
AXA Global Secure Fund	Mixed Asset SGD Conservative	4	Leader	4	Leader

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Name	Lipper Global Classification	3 Years Lipper Rating			
		Consistent Return	Expense	Total Return	Preservation
AXA India Fund	Equity India	2	4	2	2
AXA Pacific Equity Fund	Equity Asia Pacific ex Japan	1	3	1	3
AXA Singapore Balanced Fund	Mixed Asset SGD Balanced	1	3	1	3
AXA Singapore Bond Fund	Bond SGD	4	1	4	Leader
AXA Singapore Equity Fund	Equity Singapore	2	2	1	4
AXA South East Asia Special Situations Fund	Equity ASEAN	1	3	1	1
AXA Value Growth Fund	Equity Asia Pacific ex Japan	3	3	2	4
GreatLink Asia Pacific Equity Fund	Equity Asia Pacific ex Japan	1	3	1	3
GreatLink China Growth Fund	Equity Greater China	3	4	3	2
GreatLink European Equity Fund	Equity Europe	3	2	3	3
GreatLink Global Bond Fund	Bond Global	4	4	4	Leader
GreatLink Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	4	3	Leader	3
GreatLink Global Equity Alpha Fund	Equity Global	3	2	2	4
GreatLink Global Opportunities Fund	Equity Global	1	3	1	4
GreatLink Global Real Estate Securities Fund	Equity Sector Real Est Global	Leader	4	Leader	Leader
GreatLink Global Supreme Fund	Mixed Asset SGD Balanced	Leader	2	Leader	Leader
GreatLink Global Technology Fund	Equity Sector Information Tech	Leader	4	Leader	4
GreatLink Lifestyle Balanced Portfolio	Mixed Asset SGD Balanced	3	3	3	Leader
GreatLink LifeStyle Dynamic Portfolio	Equity Global	2	3	2	4
GreatLink LifeStyle Progressive Portfolio	Mixed Asset SGD Aggressive	4	3	3	3
GreatLink Lifestyle Secure Portfolio	Mixed Asset SGD Conservative	4	4	3	Leader
GreatLink Lifestyle Steady Portfolio	Mixed Asset SGD Balanced	3	Leader	3	Leader
GreatLink Lion Asian Balanced Fund	Mixed Asset SGD Balanced	2	2	1	4
GreatLink Lion Japan Growth Fund	Equity Japan	1	3	1	1
GreatLink Short Duration Bond Fund	Bond Global	3	Leader	2	Leader
GreatLink Singapore Equities Fund	Equity Singapore	2	2	2	4
HSBC Insurance Ethical Global Equity Fund	Equity Global	1	3	1	3
HSBC Insurance Global Bond Fund	Bond Global	4	4	4	Leader
HSBC Insurance Pacific Equity Fund	Equity Asia Pacific ex Japan	1	3	1	3
HSBC Insurance Premium Balanced Fund	Mixed Asset SGD Balanced	2	3	1	4
HSBC Insurance Singapore Bond Fund	Bond Global	2	4	2	Leader
John Hancock Adventurous Portfolio	Mixed Asset SGD Aggressive	3	4	3	3
John Hancock Balanced Portfolio	Mixed Asset SGD Balanced	3	4	3	4
John Hancock Cautious Portfolio	Mixed Asset SGD Conservative	Leader	2	Leader	Leader
John Hancock European Equity Fund	Equity Europe	1	3	1	2
John Hancock Global Balanced Fund	Mixed Asset SGD Balanced	4	1	4	4
John Hancock Greater China Fund	Equity China	2	3	2	1
John Hancock Japan Growth Fund	Equity Japan	2	3	2	2
John Hancock Pacific Equity Fund	Equity Asia Pacific Sm&Mid Cap	1	4	1	2
John Hancock Pacific Harvest Fund	Mixed Asset SGD Aggressive	2	2	2	2
John Hancock Worldwide Bond Fund	Bond Global	4	2	4	Leader
John Hancock Worldwide Equities Fund	Equity Global	3	3	2	4

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Name	Lipper Global Classification	3 Years Lipper Rating			
		Consistent Return	Expense	Total Return	Preservation
Manulife Asian Small-Cap Equity Fund	Equity Asia Pacific Sm&Mid Cap	1	3	1	3
Manulife European Equity Fund	Equity Europe	1	3	1	2
Manulife Global Emerging Markets Fund	Equity Emerging Mkts Global	3	3	3	2
Manulife Golden Asia Growth Fund	Equity Asia Pacific Sm&Mid Cap	1	4	1	2
Manulife Golden Balanced Growth Fund	Mixed Asset SGD Balanced	2	Leader	2	4
Manulife Golden Global Balanced Fund	Mixed Asset SGD Balanced	4	3	4	4
Manulife Golden International Bond Fund	Bond Global	4	4	4	Leader
Manulife Golden Regional China Fund	Equity China	2	3	2	1
Manulife Golden S.E.A. Special Situations Fund	Equity ASEAN	1	3	1	1
Manulife Golden Singapore Growth Fund	Equity Singapore	4	2	4	4
Manulife Golden Worldwide Equity Fund	Equity Global	3	3	2	4
Manulife Income Series - Asian Balanced Fund	Mixed Asset SGD Balanced	4	3	4	Leader
Manulife India Equity Fund	Equity India	2	4	2	2
Manulife Japan Growth Fund	Equity Japan	2	3	2	2
Manulife Lifestyle Portfolios - Aggressive	Equity Global	1	3	1	4
Manulife Lifestyle Portfolios - Conservative	Mixed Asset SGD Conservative	Leader	3	Leader	Leader
Manulife Lifestyle Portfolios - Growth	Mixed Asset SGD Aggressive	3	3	3	3
Manulife Lifestyle Portfolios - Moderate	Mixed Asset SGD Balanced	3	4	3	4
Manulife Lifestyle Portfolios - Secure	Mixed Asset SGD Balanced	4	Leader	4	Leader
Manulife Pacific Equity Fund	Equity Asia Pacific ex Japan	2	3	1	3
Manulife Singapore Bond Fund	Bond SGD	3	1	3	Leader
NTUC AIM 2025	Target Maturity Other	3	Leader	3	Leader
NTUC AIM 2035	Target Maturity Other	Leader	Leader	Leader	4
NTUC AIM 2045	Target Maturity Other	Leader	Leader	Leader	4
NTUC AIM NOW	Mixed Asset SGD Conservative	3	Leader	2	Leader
NTUC Asia Managed Fund	Mixed Asset SGD Aggressive	Leader	Leader	Leader	3
NTUC Global Bond Fund	Bond Global	3	4	3	Leader
NTUC Global Equity Fund	Equity Global	4	3	4	Leader
NTUC Global Managed Fund (Balanced)	Mixed Asset SGD Balanced	Leader	Leader	Leader	Leader
NTUC Global Managed Fund (Conservative)	Mixed Asset SGD Conservative	Leader	4	Leader	Leader
NTUC Global Managed Fund (Growth)	Mixed Asset SGD Aggressive	Leader	Leader	Leader	4
NTUC Global Technology Fund	Equity Sector Information Tech	1	4	1	1
NTUC Prime Fund	Mixed Asset SGD Balanced	3	Leader	3	3
NTUC Singapore Bond Fund	Bond SGD	4	4	4	Leader
NTUC Singapore Equity Fund	Equity Singapore	3	Leader	3	3
NTUC Singapore Managed Fund	Mixed Asset SGD Balanced	1	Leader	1	3
NTUC Takaful Fund	Equity Global	Leader	4	Leader	Leader
PruLink Adapt 2025	Target Maturity Other	3	3	3	Leader
PruLink Adapt 2035	Target Maturity Other	4	3	4	4
PruLink America Fund	Equity US	Leader	3	Leader	Leader
PruLink Asian American Managed Fund	Mixed Asset SGD Balanced	3	4	4	4
PruLink Asian Equity Fund	Equity Asia Pacific ex Japan	2	4	2	2
PruLink Asian Income and Growth Fund	Mixed Asset SGD Balanced	Leader	4	Leader	Leader
PruLink China-India Fund	Equity Emerging Mkts Asia	3	4	4	3

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Name	Lipper Global Classification	3 Years Lipper Rating			
		Consistent Return	Expense	Total Return	Preservation
PruLink Emerging Markets Fund	Equity Emerging Mkts Global	4	3	4	2
PruLink Global Bond Fund	Bond Global	4	4	4	Leader
PruLink Global Developing Trends Fund	Equity Global	1	3	1	2
PruLink Global Equity Fund	Equity Global	1	3	1	4
PruLink Global Managed Fund	Mixed Asset SGD Balanced	4	3	4	Leader
PruLink Global Property Securities Fund	Equity Sector Real Est Global	4	3	4	Leader
PruLink Global Technology Fund	Equity Sector Information Tech	3	4	4	4
PruLink Greater China Fund	Equity Greater China	Leader	4	Leader	3
PruLink Pan European Fund	Equity Europe	4	3	4	3
PruLink Singapore ASEAN Managed Fund	Mixed Asset SGD Aggressive	2	4	3	2
PruLink Singapore Dynamic Bond Fund	Bond SGD	Leader	3	Leader	Leader
PruLink Singapore Growth Fund	Equity Singapore	3	3	3	4
PruLink Singapore Managed Fund	Mixed Asset SGD Aggressive	2	Leader	2	2
TMLS Asian Equity Fund	Equity Asia Pacific ex Japan	2	4	1	3
TMLS China Equity Fund	Equity China	4	4	4	2
TMLS Global Balanced Fund	Mixed Asset SGD Balanced	2	Leader	1	4
TMLS Global Bond Fund	Bond Global	3	Leader	2	Leader
TMLS Global Equity Fund	Equity Global	1	3	2	4
UOB Life FOF Asia Top 50 Fund	Equity Asia Pacific	3	1	3	4
UOB Life FOF Global Healthcare Fund	Equity Sector Healthcare	Leader	2	Leader	2
UOB Life FOF Growth Fund	Equity Singapore	1	4	1	2
UOB Life FOF International Growth Fund	Equity Global	3	4	3	Leader
UOB LifeLink Global Fund	Equity Global	3	4	3	Leader
UOB LifeLink Growth Fund	Equity Singapore	1	4	1	2

Source: Thomson Reuters Lipper

6 Appendices

6.1 Complete List of Funds ⁶

6.1.1 Full List of CPFIS-Included Unit Trusts

Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
Franklin Templeton Investment Funds – Templeton Korea Fund A(acc)SGD	Equity Korea	Higher Risk	Narrowly Focused	31/12/2015	2.54
Franklin Templeton Investment Funds – Templeton Thailand Fund A(acc)SGD	Equity Thailand	Higher Risk	Narrowly Focused	31/12/2015	2.50
Franklin Templeton Investment Funds – Templeton Emerging Markets Fund A(acc)SGD	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	31/12/2015	2.48
Franklin Templeton Investment Funds – Templeton China Fund A(acc)SGD	Equity Greater China	Higher Risk	Narrowly Focused	31/12/2015	2.45
United Asia Top-50 Fund	Equity Asia Pacific	Higher Risk	Narrowly Focused	30/06/2016	2.27
Franklin Templeton Investment Funds – Templeton Asian Growth Fund A(acc)SGD	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	31/12/2015	2.21
AB SICAV I-International Health Care Portfolio (Class A) - SGD	Equity Sector Healthcare	Higher Risk	Narrowly Focused	30/11/2015	2.18
United Global Healthcare Fund	Equity Sector Healthcare	Higher Risk	Narrowly Focused	30/06/2016	2.17
PineBridge Asia Ex Japan Small Cap Equity Fund - Class A5CP	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	31/12/2015	2.16
United Global Financials Fund	Equity Sector Financials	Higher Risk	Narrowly Focused	30/06/2016	2.04
Aberdeen India Opportunities Fund	Equity India	Higher Risk	Narrowly Focused	31/03/2016	1.87
Allianz Europe Equity Growth - Class AT (H2-SGD)	Equity Europe	Higher Risk	Narrowly Focused	31/03/2016	1.86
Allianz Oriental Income - Class AT (SGD)	Mixed Asset USD Aggressive	Higher Risk	Narrowly Focused	31/03/2016	1.86
Aberdeen Asian Smaller Companies Fund	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	31/03/2016	1.83
Franklin Templeton Investment Funds – Templeton European Fund A(acc)SGD	Equity Europe	Higher Risk	Narrowly Focused	31/12/2015	1.83
Aberdeen European Opportunities Fund	Equity Europe	Higher Risk	Narrowly Focused	31/03/2016	1.82
Aberdeen Global Emerging Markets Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	31/03/2016	1.82
Franklin Templeton Investment Funds – Franklin Biotechnology Discovery Fund A(acc)SGD	Equity Sector Biotechnology	Higher Risk	Narrowly Focused	31/12/2015	1.81
Aberdeen China Opportunities Fund	Equity Greater China	Higher Risk	Narrowly Focused	31/03/2016	1.79
Allianz Global Investors Premier Funds – Allianz Global High Payout Fund - SGD	Equity Global Income	Higher Risk	Broadly Diversified	30/06/2016	1.79
Allianz Global Investors Premier Funds – Allianz Global High Payout Fund (USD Share Class)	Equity Global Income	Higher Risk	Broadly Diversified	30/06/2016	1.79
LionGlobal Japan Growth Fund (SGD)	Equity Japan	Higher Risk	Narrowly Focused	30/06/2016	1.79

⁶ These expense ratios may not be up to end of Dec 2015 but already represent the most up-to-date information (which may include unaudited expense ratio) submitted by the FMCs/Insurers. Some funds which are newly launched or have newly launched share classes have no available data.

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Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
LionGlobal Japan Growth Fund (SGD)	Equity Japan	Higher Risk	Narrowly Focused	30/06/2016	1.79
LionGlobal Japan Growth Fund SGD-Hedged Class	Equity Japan	Higher Risk	Narrowly Focused	30/06/2016	1.79
Aberdeen Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	31/03/2016	1.78
Schroder Global Emerging Market Opportunities Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	30/06/2016	1.78
Aberdeen Global Opportunities Fund	Equity Global	Higher Risk	Broadly Diversified	31/03/2016	1.76
Aberdeen Indonesia Equity Fund	Equity Indonesia	Higher Risk	Narrowly Focused	31/03/2016	1.76
Aberdeen Malaysian Equity Fund	Equity Malaysia	Higher Risk	Narrowly Focused	31/03/2016	1.76
First State Asian Growth Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30/06/2016	1.76
Capital Group European Growth and Income Fund (LUX) – Share Class B, Currency EUR	Equity Europe	Higher Risk	Narrowly Focused	30/06/2016	1.75
Capital Group European Growth and Income Fund (LUX) – Share Class B, Currency USD	Equity Europe	Higher Risk	Narrowly Focused	30/06/2016	1.75
Eastspring Investments Unit Trusts – Pan European Fund	Equity Europe	Higher Risk	Narrowly Focused	30/06/2016	1.75
Fidelity Funds – Asia Focus Fund SR-ACC-SGD	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30/04/2016	1.75
Franklin Templeton Investment Funds – Franklin India Fund AS (acc)SGD	Equity India	Higher Risk	Narrowly Focused	31/12/2015	1.75
Franklin Templeton Investment Funds – Franklin U.S. Opportunities Fund AS (acc)SGD	Equity US	Higher Risk	Narrowly Focused	31/12/2015	1.75
Franklin Templeton Investment Funds – Templeton Global Equity Income Fund AS (Mdis)SGD	Equity Global Income	Higher Risk	Broadly Diversified	31/12/2015	1.75
Franklin Templeton Investment Funds – Templeton Global Fund AS (acc)SGD	Equity Global	Higher Risk	Broadly Diversified	31/12/2015	1.75
Franklin Templeton Shariah Funds – Templeton Shariah Global Equity Fund AS (acc)SGD	Equity Global	Higher Risk	Broadly Diversified	31/10/2015	1.75
Nikko AM Japan Dividend Equity Fund-SGD Hedged Class Units	Equity Japan Income	Higher Risk	Narrowly Focused	30/06/2016	1.75
Pinebridge India Equity Fund - Class ASCP	Equity India	Higher Risk	Narrowly Focused	31/12/2015	1.75
Fidelity Funds - Asian Special Situations Fund SR-ACC-SGD	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30/04/2016	1.74
Fidelity Funds - Greater China Fund SR-ACC-SGD	Equity Greater China	Higher Risk	Narrowly Focused	30/04/2016	1.74
Nikko AM Asia Investment Funds - Nikko AM Shenton Global Property Securities Fund S\$ Class	Equity Sector Real Est Global	Higher Risk	Narrowly Focused	30/06/2016	1.74

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Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
Nikko AM Japan Dividend Equity Fund-SGD Class Units	Equity Japan Income	Higher Risk	Narrowly Focused	30/06/2016	1.74
Aberdeen Thailand Equity Fund	Equity Thailand	Higher Risk	Narrowly Focused	31/03/2016	1.73
Eastspring Investments Unit Trusts – Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	30/06/2016	1.73
Schroder Asian Equity Yield Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30/06/2016	1.73
Schroder International Selection Fund Greater China	Equity Greater China	Higher Risk	Narrowly Focused	30/06/2016	1.73
Fidelity Funds-China Focus Fund SR-ACC-SGD	Equity China	Higher Risk	Narrowly Focused	30/04/2016	1.72
Fidelity Funds-Emerging Markets Fund SR-ACC-SGD	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	30/04/2016	1.72
Schroder China Opportunities Fund	Equity China	Higher Risk	Narrowly Focused	30/06/2016	1.72
Capital Group European Growth and Income Fund (LUX) – Share Class Bd, Currency EUR	Equity Europe	Higher Risk	Narrowly Focused	31/12/2015	1.71
Capital Group European Growth and Income Fund (LUX) – Share Class Bd, Currency USD	Equity Europe	Higher Risk	Narrowly Focused	31/12/2015	1.71
Fidelity Funds-America Fund SR-ACC-SGD (Hedged)	Equity US	Higher Risk	Narrowly Focused	30/04/2016	1.71
First State Dividend Advantage	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30/06/2016	1.71
Pinebridge US Large Cap Research Enhanced Fund - Class A5CP	Equity US	Higher Risk	Narrowly Focused	31/12/2015	1.71
Deutsche China Equity Fund (Class A)	Equity China	Higher Risk	Narrowly Focused	30/06/2016	1.70
Fidelity Funds-Global Dividend Fund SR-ACC-SGD	Equity Global Income	Higher Risk	Broadly Diversified	30/04/2016	1.70
Fidelity Funds-Global Dividend Fund SR-MINCOME(G)-SGD	Equity Global Income	Higher Risk	Broadly Diversified	30/04/2016	1.70
Fidelity Funds – European Growth Fund SR-ACC-Euro	Equity Europe	Higher Risk	Narrowly Focused	30/04/2016	1.69
Fidelity Funds – European Growth Fund SR-ACC-SGD	Equity Europe	Higher Risk	Narrowly Focused	30/04/2016	1.69
First State Global Resources Fund	Equity Global	Higher Risk	Narrowly Focused	30/06/2016	1.69
First State Regional China Fund	Equity Greater China	Higher Risk	Narrowly Focused	30/06/2016	1.69
Fidelity Funds – America Fund SR-ACC-SGD	Equity US	Higher Risk	Narrowly Focused	30/04/2016	1.68
Fidelity Funds – America Fund SR-ACC-USD	Equity US	Higher Risk	Narrowly Focused	30/04/2016	1.68

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Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
Aberdeen Singapore Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	31/03/2016	1.67
Deutsche Global Themes Equity Fund - Class A - SGD	Equity Global	Higher Risk	Broadly Diversified	30/06/2016	1.67
Legg Mason Western Asset Asian Enterprise Trust (Class A (SGD) Accumulating)	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	31/03/2016	1.67
Legg Mason Western Asset Southeast Asia Special Situations Trust (Class A (SGD) Accumulating)	Equity ASEAN	Higher Risk	Narrowly Focused	31/03/2016	1.67
Nikko AM Shenton Horizon Investment Funds-Nikko AM Global Dividend Equity Fund-S\$ Hedged (Acc) Class	Equity Global Income	Higher Risk	Broadly Diversified	30/06/2016	1.67
Eastspring Investments Unit Trusts - Dragon Peacock Fund	Equity Emerging Mkts Asia	Higher Risk	Narrowly Focused	30/06/2016	1.64
Eastspring Investments Unit Trusts – Singapore ASEAN Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	30/06/2016	1.62
Eastspring Investments - Japan Dynamic Fund Class As (hedged)	Equity Japan	Higher Risk	Narrowly Focused	31/12/2015	1.55
Eastspring Investments-Asian Equity Income Fund Class as Hedged	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30/06/2016	1.55
LionGlobal China Growth Fund (SGD)	Equity Greater China	Higher Risk	Narrowly Focused	30/06/2016	1.54
Amundi Opportunities-Amundi Singapore Dividend Growth (AS-D Class)	Equity Singapore	Higher Risk	Narrowly Focused	31/05/2016	1.53
LionGlobal Singapore / Malaysia Fund (SGD)	Equity Malaysia/Singapore	Higher Risk	Narrowly Focused	30/06/2016	1.50
LionGlobal Thailand Fund (SGD)	Equity Thailand	Higher Risk	Narrowly Focused	30/06/2016	1.50
PineBridge Asia Ex Japan Small Cap Equity Fund - Class Y	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	31/12/2015	1.36
Schroder Asian Growth Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30/06/2016	1.36
Schroder Singapore Trust Class A	Equity Singapore	Higher Risk	Narrowly Focused	30/06/2016	1.33
United International Growth Fund	Equity Global	Higher Risk	Broadly Diversified	30/06/2016	1.27
United Singapore Growth Fund	Equity Singapore	Higher Risk	Narrowly Focused	30/06/2016	1.25
Pinebridge US Large Cap Research Enhanced Fund - Class Y	Equity US	Higher Risk	Narrowly Focused	31/12/2015	1.22
Nikko AM Shenton Japan Fund (S\$) Class	Equity Japan	Higher Risk	Narrowly Focused	30/06/2016	1.10
Nikko AM Shenton Thrift Fund	Equity Singapore	Higher Risk	Narrowly Focused	30/06/2016	0.90
APS Alpha Fund (SGD)	Absolute Return Other	Higher Risk	Narrowly Focused	30/06/2016	0.00

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Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
Franklin Templeton Investment Funds – Templeton Global Balanced Fund AS (acc)SGD	Mixed Asset USD Bal - Global	Medium To High Risk	Broadly Diversified	31/12/2015	1.55
Schroder Multi-Asset Revolution Class A	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	30/06/2016	1.51
Eastspring Investments Unit Trusts – Asian Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	30/06/2016	1.45
First State Bridge	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	30/06/2016	1.42
Deutsche Premier Select Trust	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	30/06/2016	1.41
PineBridge International Funds - Singapore Bond Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	31/12/2015	1.13
Manulife Asia Pacific Investment Grade Bond Fund Class A	Bond Asia Pacific LC	Low To Medium Risk	Narrowly Focused	31/12/2015	0.94
Schroder Asian Investment Grade Credit	Bond Asia Pacific LC	Low To Medium Risk	Narrowly Focused	30/06/2016	0.91
Legg Mason Western Asset Singapore Bond Fund (Class A (SGD) Accumulating)	Bond SGD	Low To Medium Risk	Narrowly Focused	31/03/2016	0.90
Legg Mason Western Asset Global Bond Trust (Class A (SGD) Accumulating)	Bond Global	Low To Medium Risk	Broadly Diversified	31/03/2016	0.83
United Singapore Bond Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	30/06/2016	0.79
Schroder Singapore Fixed Income Fund Class A	Bond SGD	Low To Medium Risk	Narrowly Focused	31/12/2015	0.71
Deutsche Lion Bond Fund (Class A)	Bond Global	Low To Medium Risk	Broadly Diversified	30/06/2016	0.70
LionGlobal TEAM - Singapore Fixed Income Investment (Class A)	Bond SGD	Low To Medium Risk	Narrowly Focused	30/06/2016	0.67
United SGD Fund - Class A (ACC) SGD	Bond SGD	Low To Medium Risk	Broadly Diversified	30/06/2016	0.66
Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class A	Bond SGD	Low To Medium Risk	Narrowly Focused	30/06/2016	0.62
Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class AD	Bond SGD	Low To Medium Risk	Narrowly Focused	30/06/2016	0.62
LionGlobal Short Duration Bond Fund	Bond Global	Low To Medium Risk	Narrowly Focused	30/06/2016	0.62
Nikko AM Shenton Short Term Bond Funds - Nikko AM Shenton Short Term Bond Fund (S\$) Class	Bond Global	Low To Medium Risk	Broadly Diversified	30/06/2016	0.40

Source: Central Provident Fund Board and Thomson Reuters Lipper

6.1.2 Full List of CPFIS-Included ILPs

Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
Aviva LionGlobal Japan Growth (SP)	Equity Japan	Higher Risk	Narrowly Focused	Japan	30/06/2016	3.12
Aviva Aberdeen Pacific Equity (SP)	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	3.04
UOB Life FOF Asia Top 50 Fund	Equity Asia Pacific	Higher Risk	Narrowly Focused	Asia	30/06/2016	2.27
UOB Life FOF Global Healthcare Fund	Equity Sector Healthcare	Higher Risk	Narrowly Focused	Healthcare	30/06/2016	2.17
AIA International Health Care Fund	Equity Sector Healthcare	Higher Risk	Narrowly Focused	Healthcare	30/06/2016	2.13
Aviva Capital Growth (SP)	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	2.06
PruLink Global Property Securities Fund	Equity Sector Real Est Global	Higher Risk	Narrowly Focused	Sector - Others	30/06/2016	1.97
GreatLink European Equity Fund	Equity Europe	Higher Risk	Narrowly Focused	Europe	30/06/2016	1.86
GreatLink Global Equity Alpha Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.85
GreatLink Asia Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.82
GreatLink Global Opportunities Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.82
GreatLink LifeStyle Dynamic Portfolio	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.82
Manulife Asian Small-Cap Equity Fund	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.79
GreatLink Lion Japan Growth Fund	Equity Japan	Higher Risk	Narrowly Focused	Japan	30/06/2016	1.78
Manulife Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.76
AIA Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	30/06/2016	1.75
AIA Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	Technology	30/06/2016	1.75
AIA Greater China Equity Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	30/06/2016	1.75
AIA India Opportunities Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	30/06/2016	1.75
AIA Portfolio 100	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.75
Aviva Legg Mason Western Asset Asian Enterprise Trust (SP)	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.75
AXA Asian Growth Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.75

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Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
AXA China Growth Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	30/06/2016	1.75
AXA Fortress Fund A	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.75
AXA Fortress Fund B	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.75
AXA Global High Growth Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.75
AXA India Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	30/06/2016	1.75
AXA Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.75
AXA Singapore Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.75
AXA Value Growth Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.75
Manulife Golden Singapore Growth Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.75
Manulife Golden Worldwide Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.75
PruLink Emerging Markets Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	30/06/2016	1.75
PruLink Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.75
AXA South East Asia Special Situations Fund	Equity ASEAN	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.74
GreatLink Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	Technology	30/06/2016	1.74
GreatLink Singapore Equities Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.74
HSBC Insurance Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.74
John Hancock Worldwide Equities Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.74
AXA Global Equity Blend	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.73
PruLink Greater China Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	30/06/2016	1.73
HSBC Insurance Ethical Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.72
John Hancock Japan Growth Fund	Equity Japan	Higher Risk	Narrowly Focused	Japan	30/06/2016	1.72
Manulife European Equity Fund	Equity Europe	Higher Risk	Narrowly Focused	Europe	30/06/2016	1.72
PruLink Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	Technology	30/06/2016	1.72
PruLink Pan European Fund	Equity Europe	Higher Risk	Narrowly Focused	Europe	30/06/2016	1.72
TMLS Singapore Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	Country - Singapore	30/06/2016	1.72

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Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
AXA Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	30/06/2016	1.71
John Hancock Pacific Equity Fund	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.71
Manulife Golden Asia Growth Fund	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.71
Manulife Golden Regional China Fund	Equity China	Higher Risk	Narrowly Focused	Greater China	30/06/2016	1.71
Manulife Lifestyle Portfolios - Aggressive	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.71
PruLink America Fund	Equity US	Higher Risk	Narrowly Focused	North America	30/06/2016	1.71
TMLS India Equity Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	30/06/2016	1.71
AXA Shariah Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.70
GreatLink Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	30/06/2016	1.70
GreatLink Global Real Estate Securities Fund	Equity Sector Real Est Global	Higher Risk	Narrowly Focused	Sector - Others	30/06/2016	1.70
John Hancock Greater China Fund	Equity China	Higher Risk	Narrowly Focused	Greater China	30/06/2016	1.70
Manulife Global Emerging Markets Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	30/06/2016	1.70
Manulife Golden S.E.A. Special Situations Fund	Equity ASEAN	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.70
AIA Global Resources Fund	Equity Global	Higher Risk	Narrowly Focused	Sector - Others	30/06/2016	1.69
PruLink Adapt 2035	Target Maturity Other	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.68
AIA Regional Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.67
Manulife Japan Growth Fund	Equity Japan	Higher Risk	Narrowly Focused	Japan	30/06/2016	1.67
PruLink Global Developing Trends Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.66
Manulife India Equity Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	30/06/2016	1.65
AIA Japan Equity Fund	Equity Japan	Higher Risk	Narrowly Focused	Japan	30/06/2016	1.64
Manulife Lifestyle Portfolios - Growth	Mixed Asset SGD Aggressive	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.64
PruLink China-India Fund	Equity Emerging Mkts Asia	Higher Risk	Narrowly Focused	Country - Others	30/06/2016	1.64
GreatLink China Growth Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	30/06/2016	1.63
GreatLink LifeStyle Progressive Portfolio	Mixed Asset SGD Aggressive	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.63

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Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
John Hancock European Equity Fund	Equity Europe	Higher Risk	Narrowly Focused	Europe	30/06/2016	1.56
TMLS Asian Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.56
TMLS Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.56
PruLink Asian Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.53
PruLink Singapore Growth Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.47
NTUC Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.41
TMLS China Equity Fund	Equity China	Higher Risk	Narrowly Focused	Greater China	30/06/2016	1.39
UOB LifeLink Growth Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.36
UOB LifeLink Global Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.31
NTUC Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	Technology	30/06/2016	1.29
UOB Life FOF International Growth Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.27
UOB Life FOF Growth Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	1.25
NTUC Takaful Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.16
NTUC AIM 2035	Target Maturity Other	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.13
NTUC AIM 2045	Target Maturity Other	Higher Risk	Broadly Diversified	N/A	30/06/2016	1.13
Aviva MM Capital Growth	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	30/06/2016	1.05
TMLS Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	30/06/2016	1.02
NTUC Singapore Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	30/06/2016	0.72
PRUlink India Equity Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	31/12/2015	N/A
TMLS Multi-Asset 90 Fund	Mixed Asset SGD Aggressive	Higher Risk	Broadly Diversified	N/A	31/12/2015	N/A
Aviva Templeton Global Balanced (SP)	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	2.24
Avviva Templeton Global Balanced (SP)	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	2.24
Aviva Balanced Growth (SP)	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	2.04
Aviva Income Growth (SP)	Mixed Asset SGD Conservative	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	2.04
John Hancock Pacific Harvest Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.88
John Hancock Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.85
GreatLink Lion Asian Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.69
GreatLink Global Supreme Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.56

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Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
AIA Emerging Markets Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Regional - Others	30/06/2016	1.55
AIA Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.55
AIA Greater China Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Greater China	30/06/2016	1.55
AIA India Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Country - Others	30/06/2016	1.55
AIA Japan Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Country - Others	30/06/2016	1.55
AIA Portfolio 50	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.55
AIA Portfolio 70	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.55
AXA Asian Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.55
AXA Global Growth Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.55
AXA Singapore Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Singapore	30/06/2016	1.55
PruLink Global Managed Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.55
Aviva Schroder Multi Asset Revolution	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.54
AXA Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.54
HSBC Insurance Premium Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.54
Manulife Income Series - Global Balanced Fund	Mixed Asset USD Bal - Global	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.54
PruLink Adapt 2025	Target Maturity Other	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.54
AIA Acorns of Asia Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.53
GreatLink Lifestyle Balanced Portfolio	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.53
Manulife Income Series - Asian Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.52
John Hancock Cautious Portfolio	Mixed Asset SGD Conservative	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.50
Manulife Golden Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.49
Manulife Lifestyle Portfolios - Moderate	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.48

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Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
John Hancock Adventurous Portfolio	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.46
John Hancock Balanced Portfolio	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.45
PruLink Asian American Managed Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.45
PruLink Asian Income and Growth Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.45
PruLink Singapore ASEAN Managed Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.45
TMLS Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.41
NTUC Asia Managed Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.39
Manulife Lifestyle Portfolios - Secure	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.38
Manulife Golden Balanced Growth Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Singapore	30/06/2016	1.35
GreatLink Lifestyle Steady Portfolio	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.33
Manulife Lifestyle Portfolios - Conservative	Mixed Asset SGD Conservative	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.32
PruLink Singapore Managed Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Narrowly Focused	Singapore	30/06/2016	1.32
AIA Growth Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Narrowly Focused	Singapore	30/06/2016	1.28
NTUC Global Managed Fund (Growth)	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.22
NTUC Global Managed Fund (Balanced)	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.17
NTUC AIM 2025	Target Maturity Other	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.13
NTUC Global Managed Fund (Conservative)	Mixed Asset SGD Conservative	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.06
Aviva MM Balanced Growth	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.04
Aviva MM Income Growth	Mixed Asset SGD Conservative	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	1.04
GreatLink Lifestyle Secure Portfolio	Mixed Asset SGD Conservative	Medium To High Risk	Broadly Diversified	N/A	30/06/2016	1.03
NTUC Singapore Managed Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Singapore	30/06/2016	0.86
NTUC Prime Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	30/06/2016	0.84

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Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
TMLS Multi-Asset 30 Fund	Mixed Asset SGD Conservative	Medium To High Risk	Broadly Diversified	N/A	31/12/2015	N/A
TMLS Multi-Asset 50 Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	31/12/2015	N/A
TMLS Multi-Asset 70 Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	31/12/2015	N/A
Aviva Legg Mason Western Asset Global Bond Trust (SP)	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	2.29
Aviva Nikko AM Shenton Short Term Bond (SP)	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	2.03
John Hancock Worldwide Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	1.37
Manulife Income Series - Asia Pacific Investment Grade Bond Fund	Bond Asia Pacific LC	Low To Medium Risk	Narrowly Focused	Asia	30/06/2016	0.96
AIA Global Bond Fund	Bond Other Hedged	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.95
AIA Portfolio 30	Mixed Asset SGD Conservative	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.95
AXA Global Defensive Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.95
AXA Singapore Bond Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	Singapore	30/06/2016	0.95
NTUC AIM NOW	Mixed Asset SGD Conservative	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.95
AXA Global Secure Fund	Mixed Asset SGD Conservative	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.94
Manulife Singapore Bond Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	Singapore	30/06/2016	0.94
HSBC Insurance Global Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.92
GreatLink Global Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.90
NTUC Global Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.89
AIA Regional Fixed Income Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	Singapore	30/06/2016	0.87
Manulife Golden International Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.87
PruLink Global Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.77
TMLS Singapore Bond Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	Country - Singapore	30/06/2016	0.76
HSBC Insurance Singapore Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.73
GreatLink Short Duration Bond Fund	Bond Global	Low To Medium Risk	Narrowly Focused	Asia	30/06/2016	0.66
PruLink Singapore Dynamic Bond Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	Singapore	30/06/2016	0.62
NTUC Singapore Bond Fund	Bond SGD	Low To Medium Risk	Narrowly Focused	Singapore	30/06/2016	0.52
TMLS Global Bond Fund	Bond Global	Low To Medium Risk	Broadly Diversified	N/A	30/06/2016	0.17
AXA Short Duration Bond Fund	Bond SGD	Low To Medium Risk	Broadly Diversified	N/A	31/12/2015	0.00
John Hancock Singapore Cash Fund	Money Market SGD	Lower Risk	Narrowly Focused	Singapore	30/06/2016	0.63
Manulife Singapore Cash Fund	Money Market SGD	Lower Risk	Narrowly Focused	Singapore	30/06/2016	0.62
GreatLink Cash Fund	Money Market SGD	Lower Risk	Broadly Diversified	N/A	30/06/2016	0.43
AXA Singapore Dollar Fund	Money Market SGD	Lower Risk	Broadly Diversified	N/A	30/06/2016	0.35
AIA S\$ Money Market Fund	Money Market SGD	Lower Risk	Narrowly Focused	Singapore	30/06/2016	0.31
PruLink Singapore Cash Fund	Money Market SGD	Lower Risk	Broadly Diversified	N/A	30/06/2016	0.31

Source: Central Provident Fund Board and Thomson Reuters Lipper

Lipper Leader Rating Methodology

Unlike many competing quantitative measures, the strength of the Lipper Leader rating system is that it uses investor-centered criteria and not asset- or style/strategy-based criteria. These investor-centered criteria deliver clear, straightforward descriptions of a fund's success in meeting certain goals, such as preserving capital or building wealth through consistent, strong returns.

Investor-centered measures of fund performance and suitability

The Lipper Leader rating system consists of four metrics that provide clear, straightforward descriptions of a fund's success in meeting certain goals for constructing individualized portfolios.

 **Total Return**

 **Consistent Return**






 **Preservation**

 **Expense**

Determine whether you are investing in funds that fit your investment goals

Lipper Leaders provide context and perspective for making informed investment decisions but do not predict future performance. Funds are ranked against their Lipper peer group classifications each month for three-, five-, and ten-year periods and for the overall period. These ratings are based on an equal-weighted average of percentile ranks of the four Lipper Leader metrics.

For each metric:

-  The top 20% of funds receive a rating of "5" and are named **Lipper Leaders**.
-  The next 20% of funds receive a rating of "4."
-  The middle 20% of funds receive a rating of "3."
-  The next 20% of funds receive a rating of "2."
-  The lowest 20% of funds receive a rating of "1."



Lipper Leader Metrics

Total Return

The Lipper Leader rating for Total Return denotes a fund that has provided superior total return (income from dividends and interest as well as capital appreciation) compared to a group of similar funds. A Lipper Leader for Total Return may be the best fit for investors who want the best historical return, without looking at risk. This measure alone may not be suitable for investors who want to avoid downside risk. For more risk-averse investors the Total Return rating can be used with the Preservation and/or Consistent Return ratings to make an appropriate selection that balances risk and return.

Expense

The Lipper Leader rating for Expense identifies a fund that has successfully managed to keep its expenses low relative to its peers and within its load structure. A Lipper Leader for Expense may be the best fit for investors who want to minimize their total costs. This measure can be used in conjunction with Total Return or Consistent Return to identify funds with above-average performance and lower-than-average cost.

Consistent Return

The Lipper Leader rating for Consistent Return identifies a fund that has provided relatively superior consistency and risk-adjusted returns compared to a group of similar funds. Funds that achieve high ratings for Consistent Return may be the best fit for investors who value a fund's year-to-year consistency relative to other funds in a particular peer group.

Investors are cautioned that some peer groups are inherently more volatile than others, and even Lipper Leaders for Consistent Return in the most volatile groups may not be well suited to shorter-term goals or less risk-tolerant investors.

Preservation

The Lipper Leader rating for Preservation is for a fund that has demonstrated a superior ability to preserve capital in a variety of markets compared with other funds in its asset class.

Choosing a Lipper Leader for Preservation may help to minimize downside risk relative to other fund choices in the same asset class. Investors are cautioned that equity funds have historically been more volatile than mixed-equity or fixed income funds, and that even a Lipper Leader for Preservation in more volatile asset classes may not be well suited to shorter-term goals or less risk-tolerant investors.

6.2 Investment Terminology Definitions

Lipper Global Classification

The Lipper Global Classification (LGC) is the unique fund classification system developed by Lipper to assist fund information users in comparing fund performance within a reasonable peer group. Its purpose is to create homogeneous groups of funds with comparable investment objectives. We refine our existing classifications to ensure meaningful peer groups and add new classifications in response to client requests and market trends.

For more information please visit <http://www.lipperweb.com/Research/ClassMethodology.aspx>

Quantitative Analysis

- **Return**

All returns are calculated on a NAV-to-NAV basis in Singapore dollars with dividends reinvested. The gain or loss of a particular fund in a particular period is calculated with the following formula:

Performance

$$\text{Percentage Growth} = \frac{\text{NAV}_t - \text{NAV}_{t-1}}{\text{NAV}_{t-1}}$$

For simple return:

$$\text{Performance Annualized} = (1 + \text{Percentage Growth})^{\frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units in Period}}} - 1$$

For log returns:

- **Return Relative to Benchmark**

$$\text{Performance Annualized} = \frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units in Period}} \times \text{Percentage Growth}$$

Relative return is a measure of fund performance relative to its benchmark's performance. It is calculated as the difference between the fund's return and the benchmark's return over a given period. Higher relative return means better fund performance relative to the benchmark's performance.

Formula:

$$\text{Relative Return} = \text{Fund Return} - \text{Benchmark Return}$$

For simple return:

$$\text{Relative Return Annualized} = (1 + \text{Relative Return})^{\frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units in Period}}} - 1$$

For log returns:

$$\text{Relative Return Annualized} = \frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units in Period}} \times \text{Relative Return}$$

▪ **Expense Ratio**

Expense ratio expresses the management, trustee, and certain other expenses of a managed fund as a proportion of the net asset value of the fund. The expense ratio expresses the sum of all operating expenses charged on an ongoing basis to the fund’s assets as a percentage of the fund’s average net asset value and is calculated using the following formula:

$$\text{Total Expense Ratio (\%)} = \frac{\text{Total Operating Expenses}}{\text{Average Net Asset Value}} \times 100$$

▪ **Information Ratio**

Information ratio is a risk-adjusted measure of a fund’s performance relative to its benchmark’s performance. (The fund’s benchmark can be found in the supplementary document Return Performance Review.) The information ratio is given by the ratio of average relative return (excess return) and tracking error. Tracking error or tracking risk refers to the volatility or standard deviation of the investment manager’s excess return over the benchmark’s return. A higher information ratio means better fund performance relative to the benchmark’s performance on a risk-adjusted basis.

Formula:

$$\text{Information Ratio} = \frac{\text{Average Relative Return}}{\text{Tracking Error}}$$

$$\text{Information Ratio Annualized} = \sqrt{\frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units Per Sub Period}}} \times \text{Information Ratio}$$

▪ **Sharpe Ratio**

The Sharpe ratio is a risk-adjusted measure of performance developed by William F. Sharpe; it is also known as the reward-to-volatility ratio. It is calculated as the average subperiod excess return divided by the standard deviation of subperiod excess return over a given period. Subperiod excess return is the difference between the investment return and the CPFIS-OA guaranteed interest rate for a subperiod. A higher Sharpe ratio means better fund performance relative to the risk-free rate on a risk-adjusted basis. The Sharpe ratio is a special form of information ratio where the risk-free rate is the benchmark.

Formula:

$$\text{Sharpe Ratio} = \frac{\text{Average Sub Period Excess Return}}{\text{Standard Deviation of Sub Period Excess Returns}}$$

$$\text{Sharpe Ratio Annualized} = \sqrt{\frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units Per Sub Period}}} \times \text{Sharpe Ratio}$$

▪ **Standard Deviation**

Standard deviation is a measure of investment risk or volatility in subperiod returns. It is calculated as the square root of variance, which is the average of the subperiod squared deviations over a given period. Higher standard deviation means higher risk.

Formula:

$$\text{Variance} = \frac{\sum (\text{Sub Period Returns} - \text{Average Return})^2}{\text{Number of Sub Periods} - 1}$$

$$\text{Standard Deviation} = \sqrt{\text{Variance}}$$

$$\text{Standard Deviation Annualized} = \sqrt{\frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units Per Sub Period}}} \times \text{Standard Deviation}$$

▪ **Maximum Gain**

Maximum gain is the most positive monthly return over a given period.

Formula:

$$\text{Maximum Gain} = \text{Max (Positive Sub-Period Returns)}$$

▪ **Maximum Loss**

Maximum loss is the most negative monthly return over a given period.

Formula:

$$\text{Maximum Loss} = \text{Min (Negative Sub-Period Returns)}$$

▪ **Return/Risk**

The return/risk ratio is a measure of risk-adjusted performance. It is calculated as the average return divided by the standard deviation of subperiod returns over a given period. A higher return/risk ratio means better fund performance relative to fund volatility on a risk-adjusted basis.

Formula:

$$\text{Return to Risk} = \frac{\text{Average Return}}{\text{Standard Deviation}}$$

$$\text{Return to Risk Annualized} = \sqrt{\frac{\text{Number of Time Units Per Year}}{\text{Number of Time Units Per Sub Period}}} \times \text{Return to Risk}$$