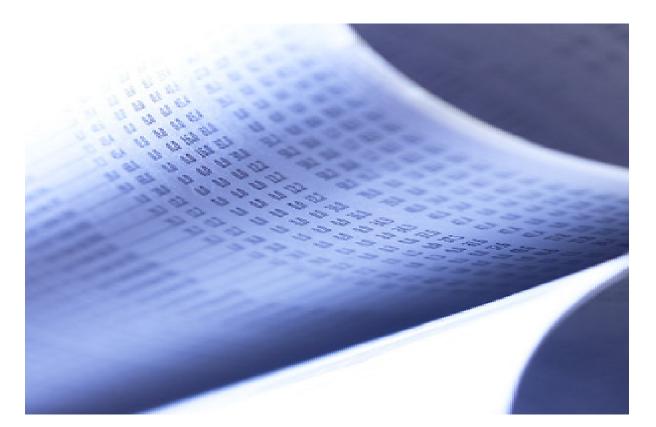
For CPFIS-Included Unit Trusts & Investment-Linked Insurance Products



JUNE 2020 **Lipper** 

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# **1 INTRODUCTION**

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 investmentlinked insurance products included under the Central Provident Fund Investment Scheme (CPFIS). This report shows Lipper's findings for the three months ended June 30, 2020.

#### **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. Lipper has used reasonable efforts in preparing this report based on data collected from the contributing asset management companies. However, 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 June 30, 2020, there were 87 unit trusts and 149 investment-linked insurance products (ILPs) included under the CPFIS<sup>1</sup>, for a total of 236 funds.

#### Table 1 Number of CPFIS-Included Funds

	As of End Q2-2020	As of End Q1-2020
Unit Trust	87	88
ILP	149	150
Total	236	238

Source: Central Provident Fund Board

#### Table 2 Newly Listed Products

	<b>Risk Classification</b>	<b>CPFIS Focus</b>	Detail	Lipper Classification
UT				
Nikko AM Shenton Global Opportunities Fund SGD Class	HIGHER RISK	BROADLY DIVERSIFIED	N/A	Equity Global
Schroder International Selection Fund Asia Pacific ex-Japan Equity	HIGHER RISK	NARROWLY FOCUSED	Asia	Equity Asia Pacific ex Japan

Source: Central Provident Fund Board

#### **Table 3 Delisted Products**

	<b>Risk Classification</b>	<b>CPFIS Focus</b>	Detail	Lipper Classification
<u>UT</u>				
Franklin Templeton Investment Funds - Templeton Global Equity Income Fund AS (Mdis)SGD	HIGHER RISK	BROADLY DIVERSIFIED	N/A	Equity Global Income
Franklin Templeton Investment Funds - Templeton Global Fund AS (acc)SGD	HIGHER RISK	BROADLY DIVERSIFIED	N/A	Equity Global
United Global Financials Fund	HIGHER RISK	NARROWLY FOCUSED	Sector - Others	Equity Sector Financials
<u>ILP</u>				
TMLS Global Equity Fund	HIGHER RISK	BROADLY DIVERSIFIED	N/A	Equity Global

Source: Central Provident Fund Board

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





# 3 MARKET DEVELOPMENTS IN Q2 2020<sup>2</sup>

# 3.1 Equity Markets

All global equity markets rebounded sharply after Q1's big hit for Q2 2020. The MSCI World Index rallied by 19.54% (in U.S.-dollar terms) for Q2 2020, while it plunged 20.93% for Q1 2020. US NASDAQ Composite CR and Brazil BOVESPA (Ibovespa) TR index all posted over 30% while Singapore Straits Times CR and Hang Seng CR HKD only delivered 4.38% and 3.49%, respectively. In Europe, Xetra DAX TR, CAC 40 CR and FTSE 100 CR rallied 23.90%, 12.28% and 8.78%, respectively. In Asia, Korea, Taiwan, Thailand and India's market key benchmarks soared 20.16%, 19.71%, 18.93% and 18.49%, respectively.

	Price	Price Period ended 30-Jun-2020				
Name	6/30/2020	3 Months	6 Months	9 Months	1 Year	3 Years
NASDAQ Composite CR	10,058.77	30.63	12.11	25.74	25.64	63.81
BOVESPA (Ibovespa) TR	95,055.82	30.18	-17.80	-9.25	-5.85	51.12
Xetra DAX TR	12,310.93	23.90	-7.08	-0.94	-0.71	-0.12
KOSPI Composite CR	2,108.33	20.16	-4.07	2.19	-1.05	-11.85
S&P 500 CR	3,100.29	19.95	-4.04	4.15	5.39	27.93
TAIEX CR	11,621.24	19.71	-3.13	7.31	8.30	11.80
RTS CR	1,212.63	19.54	-21.71	-9.09	-12.16	21.15
Thailand SET CR	1,339.03	18.93	-15.24	-18.21	-22.61	-14.97
S&P BSE SENSEX	34,915.80	18.49	-15.36	-9.70	-11.37	12.92
Nikkei 225 CR	22,288.14	17.82	-5.78	2.45	4.76	11.25
Dow Jones Industrial Average CR	25,812.88	17.77	-9.55	-4.10	-2.96	20.91
Philippine PSE Composite CR	6,207.72	16.66	-20.57	-20.20	-22.40	-20.85
S&P/ASX 200 CR AUD	5,897.88	16.17	-11.76	-11.82	-10.89	3.08
CAC 40 CR	4,935.99	12.28	-17.43	-13.06	-10.89	-3.61
FTSE Bursa Malaysia KLCI CR	1,500.97	11.11	-5.53	-5.24	-10.24	-14.90
FTSE 100 CR	6,169.74	8.78	-18.20	-16.72	-16.91	-15.63
Shanghai Composite CR	2,984.67	8.52	-2.15	2.74	0.19	-6.51
Jakarta SE Composite Index	4,905.39	8.07	-22.13	-20.48	-22.85	-15.86
Swiss Market Index CR	10,045.30	7.88	-5.38	-0.33	1.49	12.78
Singapore Straits Times CR	2,589.91	4.38	-19.64	-16.99	-22.03	-19.73
Hang Seng CR HKD	24,427.19	3.49	-13.35	-6.38	-14.42	-5.19

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

Source: Lipper

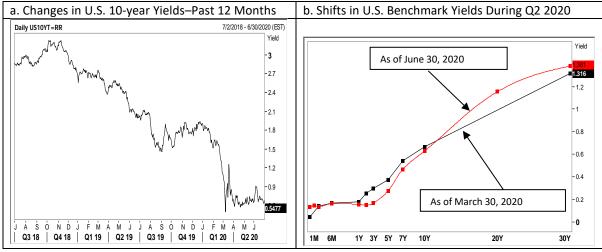
<sup>&</sup>lt;sup>2</sup> Since the Singapore fund universe is not domestically focused and invests in a host of regions, currencies, and asset classes, discussion of global macroeconomic trends is imperative to understand fund performance. Furthermore, to avoid confusion from counter-directional currency 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

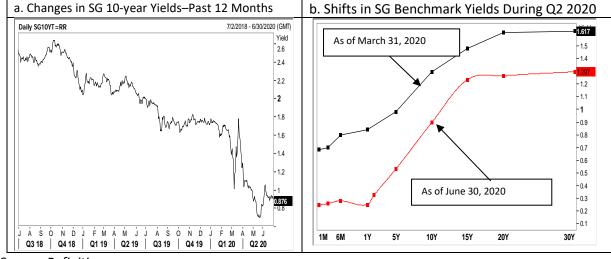
The FTSE WGBI rose 2.04% for the quarter (in USD). The ten-year Treasury yield ended at 0.653% for the second quarter of 2020 versus 0.699% at the end of Q1 2020.

Figure 1 U.S. Government Bond Market Movements



Source: Refinitiv

#### Figure 2 Singapore Government Bond Market Movements



Source: Refinitiv



# 3.3 The Outlook

The coronavirus outbreak, which has led to countrywide lockdowns globally, has done extreme damage to the global economy. The International Monetary Fund (IMF) has sharply lowered its forecasts for global growth this year by an additional 1.9%, compared to its forecast in April, and it now expects global GDP to shrink by 4.9% in 2020. The COVID-19 pandemic has had a more negative impact on activity in the first half of 2020 than anticipated, and the recovery is projected to be more gradual than previously forecast. The U.S. economy suffered its worst period ever in the second quarter, with GDP falling a historic 32.9%. Neither the Great Depression nor the Great Recession nor any other slump over the past two centuries have ever caused such a sharp drain on the economy. The world is now facing a resurgence of covid-19 cases as the pandemic continues to accelerate. Moreover, tensions between China and the U.S. escalated further this year over a variety of issues, from the origins of the coronavirus outbreak, to their rivalry over the South China Sea, and the passing of a controversial national security law in Hong Kong. Global financial markets continue experiencing significant volatility and risk.



# 4 PERFORMANCE OF WORLDWIDE INDICES IN SGD

#### Table 5 Worldwide Indices' Performance in SGD

	Period ended 30-Jun-2020				
Name	3 Months	6 Months	9 Months	1 Year	3 Years
MSCI World TR USD	17.12	-1.94	3.62	6.61	25.13
MSCI EM (Emerging Markets) TR USD	15.79	-6.28	1.99	-0.03	8.38
MSCI AC Asia ex Japan TR USD	14.43	-1.07	7.58	5.14	13.65
STOXX Europe 50 CR EUR	9.79	-8.82	-4.59	-4.38	-4.48
Singapore Straits Times CR	4.38	-19.64	-16.99	-22.03	-19.73
Refinitiv/iEdge SFI	2.87	5.56	6.42	9.11	14.00
SIBOR SGD 3 Month	0.18	0.57	1.02	1.51	4.68
FTSE WGBI TR USD	-0.02	7.98	4.63	7.85	13.92

Source: Lipper

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

Indices	<u>Financial Markets</u>
FTSE WGBI TR	Global bond markets
MSCI AC Asia ex Japan TR	Asian ex-Japan equities
MSCI EM (Emerging Markets) TR	Emerging markets equities
MSCI World TR	Global equities
SIBOR SGD 3 Months	Singapore money markets
Singapore Straits Times CR	Singapore equities
Stoxx Europe 50 CR	European equities
Refinitiv/iEdge SFI	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



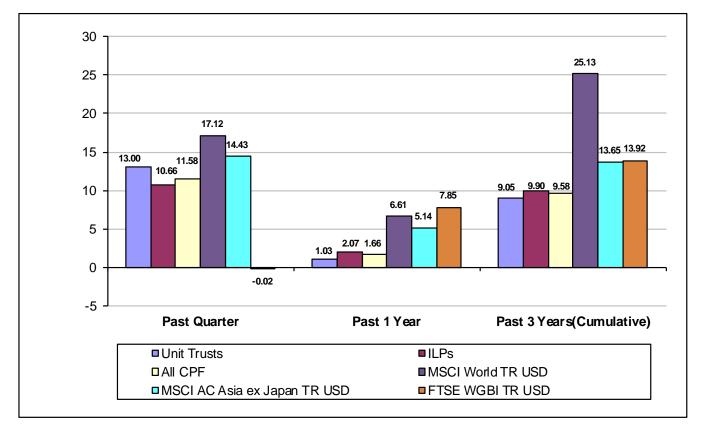
# **5 SUMMARY OF PERFORMANCE OF CPFIS-INCLUDED FUNDS**

	Period ended 30-Jun-2020(% in SGD)					
	3 Months	1 Year	3 Years (Cumulative)	3 Years (Annualized)		
Average of CPFIS-included unit trusts & ILPs	11.58	1.66	9.58	3.10		
CPFIS-included unit trusts	13.00	1.03	9.05	2.93		
CPFIS-included ILPs	10.66	2.07	9.90	3.20		

Source: Lipper

#### The average returns<sup>3</sup> of CPFIS-included unit trusts and ILPs are shown below:

#### Figure 3 Average Performance of CPFIS-Included Funds at End Q2 2020 (% in SGD)



Source: Lipper



<sup>&</sup>lt;sup>3</sup> Average performance is calculated by a summation of all returns of funds in the group, divided by the number of funds.

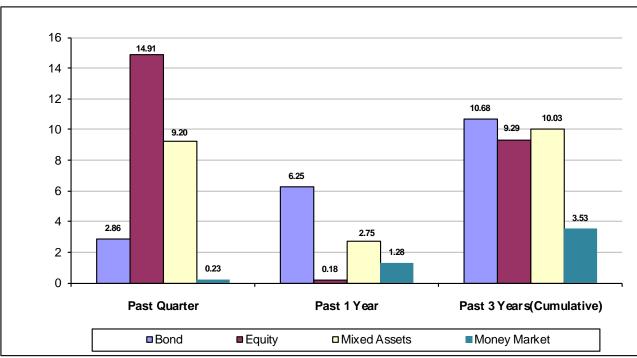


Figure 4 Average Performance of CPFIS-Included Funds at End Q2 2020 by Asset Class (% in SGD)

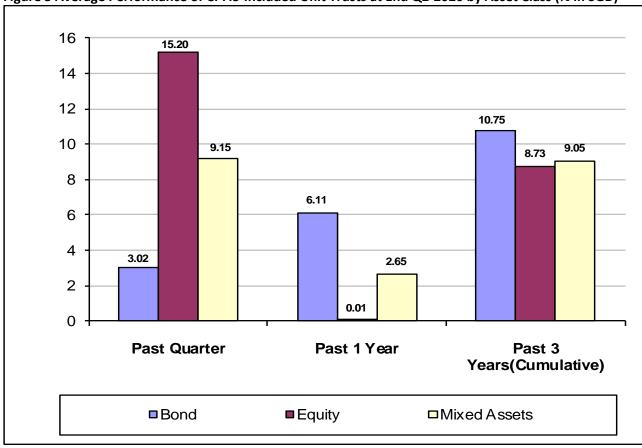
Source: Lipper

For the second quarter of 2020, the overall performance of CPFIS-included funds (unit trusts and ILPs combined) continued posting positive returns of 11.58% on average, given a positive return of 13.00% on average among CPFIS-included unit trusts and a positive return of 10.66% among CPFIS-included ILPs. For all the CPFIS-included funds, all asset type of funds posted positive return, Equity funds posted 14.91% on average while Money Market funds only posted positive return of 0.23% for the quarter. MSCI World TR USD and MSCI AC Asia ex Japan Index rallied 17.12% and 14.43%, respectively while FTSE WGBI Index slightly fell 0.02% for Q2 2020.

For the one-year period, the overall performance of CPFIS-included funds posted positive return of 1.66% on average. CPFIS-included unit trusts slightly rose 1.03% on the year, and CPFIS-included ILPs soared 2.07% on average. During the same period, the key benchmark MSCI World TR USD and MSCI AC Asia ex Japan Index rallied 6.61% and 5.14% respectively, while FTSE WGBI TR soared 7.85% for the period. For the one-year period, Bond (+6.25% on average) fund outperformed Equity (+0.18% on average), mixed-asset (+2.75% on average) and money market (+1.28% on average) fund offering.

For the three-year period, CPFIS-included funds achieved 9.58% growth on average, accounted for a positive return of 9.05% on average from CPFIS-included unit trusts and positive return of 9.90% on average from CPFIS-included ILPs. During the same period, MSCI World TR USD and MSCI AC Asia ex Japan Index rallied 25.13% and 13.65% respectively, meanwhile, the FTSE WGBI TR also achieved 13.92%. Bond type was the leading gainer (+10.68%), meanwhile, equity and mixed-asset type posted positive return of 9.29% and 10.03% on average for the period.





The average returns of CPFIS-included unit trusts by asset class<sup>4</sup> are shown below: Figure 5 Average Performance of CPFIS-Included Unit Trusts at End Q2-2020 by Asset Class (% in SGD)

Source: Lipper

For the second quarter of 2020, all asset type of unit trust portfolios posted positive returns. Equity type of unit trust portfolios posted positive returns of 15.20% on average, while bond and mixed-asset funds posted positive return of 3.02% and 9.15%, respectively.

Bond type of unit trust portfolios posted positive returns of 6.11% on average, while equity type only slightly rose 0.01% for the period for one-year period.

Bond fund (+10.75%) outperformed the other asset class offerings over the three-year period (through June 2020) while equity and mixed-asset posted positive return of 8.73% and 9.05% on average, respectively, for the period.

<sup>4</sup> Definitions of asset types are as follows:



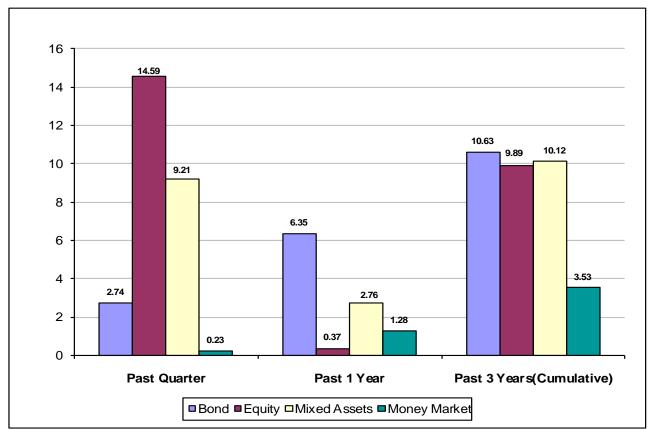
<sup>-</sup> Equity: Funds with the primary investment objective of investing in stock markets

<sup>-</sup> Bond: Funds with the primary investment objective of investing in fixed income markets with an average maturity > 1 year

<sup>-</sup> Mixed-asset: Funds with the primary investment objective of investing in a strategic mix of equities and fixed income securities

<sup>-</sup> 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:





For the second quarter of 2020, equity and mixed-asset portfolios of ILPs posted positive return of 14.59% and 9.21% on average while bond and money market funds posted positive return of 2.74% and 0.23%, respectively.

For the one-year period, bond funds (+6.35% on average) outperformed the equity (+0.37%), money market (+1.28% on average) and mixed-asset funds (+2.76% on average), respectively. For the three-year period, bond funds were the leading gainers (+10.63%), while equity, mixed-asset and money market portfolios of ILPs delivered 9.89%, 10.12% and 3.53% on average respectively.



Source: Lipper

The average returns of CPFIS-included unit trusts by Lipper Global Classification<sup>5</sup> are shown below:

	% Growth				
	3M 31/03/2020	6M 31/12/2019	9M 30/09/2019	1Y 30/06/2019	3Y 30/06/2017
Name	To 30/06/2020				
Bond SGD (9)	3.18	3.79	4.56	7.14	11.52
Equity ASEAN (2)	12.82	-15.15	-13.59	-16.65	-17.27
Equity Asia Pacific (2)	24.29	8.89	19.52	24.85	20.25
Equity Asia Pacific ex Japan (12)	15.01	-3.60	2.96	1.01	10.29
Equity Asia Pacific Sm&Mid Cap (1)	19.08	-6.26	-3.17	-3.22	-2.40
Equity China (2)	11.74	1.56	10.94	8.06	17.41
Equity Emerging Mkts Asia (1)	15.27	-4.83	1.08	-3.94	8.56
Equity Emerging Mkts Global (5)	17.82	-8.10	0.07	-1.57	7.21
Equity Europe (5)	15.07	-7.16	0.99	-0.66	7.73
Equity Global (8)	15.76	-6.01	-0.42	0.92	9.81
Equity Global Income (4)	11.49	-4.48	0.44	2.89	13.26
Equity Greater China (5)	16.59	6.17	15.68	15.09	30.43
Equity India (3)	15.25	-9.74	-9.63	-11.02	-7.80
Equity Indonesia (1)	20.50	-17.68	-16.68	-18.41	-19.77
Equity Japan (2)	8.63	-16.45	-9.64	-7.08	-10.51
Equity Malaysia (1)	13.02	-8.58	-6.70	-8.13	-7.80
Equity Sector Biotechnology (1)	26.21	15.90	43.07	24.95	29.55
Equity Sector Real Est Global (1)	5.73	-14.69	-15.19	-10.19	-1.09
Equity Singapore (5)	9.70	-17.68	-14.20	-17.56	-10.50
Equity Thailand (2)	26.09	-16.09	-19.77	-22.12	-4.06
Mixed Asset SGD Balanced (4)	9.12	-0.68	3.84	4.13	11.95
Mixed Asset USD Bal - Global (1)	9.26	-7.57	-3.45	-3.28	-2.57
Equity US (8)	17.31	-3.68	0.77	1.14	17.32
Equity Sector Healthcare (2)	16.14	8.42	22.25	20.86	35.37
Bond Asia Pacific LC (1)	5.91	1.98	2.74	3.78	9.47
Equity Japan Income (2)	6.44	-9.97	-2.44	1.63	6.39
Equity Japan Sm&Mid Cap (2)	12.88	-2.97	2.74	8.30	13.81
Bond Global LC (2)	2.15	3.60	3.36	5.84	10.34
Bond Global Short Term (1)	1.28	0.41	1.08	1.82	6.09
Bond Global USD (1)	1.18	7.09	4.05	0.00	0.00
Bond Asia Pacific HC (1)	4.01	0.73	1.73	4.06	10.51
Grand Total (97)	13.00	-3.92	1.16	1.03	9.05

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

Source: Lipper

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

<sup>5</sup> 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:

	% Growth				
	3M 31/03/2020	6M 31/12/2019	9M 30/09/2019	1Y 30/06/2019	3Y 30/06/2017
Name	То 30/06/2020	To 30/06/2020	To 30/06/2020	To 30/06/2020	To 30/06/2020
Bond SGD (8)	3.20	3.70	4.54	6.83	11.26
Equity ASEAN (2)	16.14	-17.66	-16.84	-19.78	-19.40
Equity Asia Pacific ex Japan (14)	13.82	-4.62	1.94	-0.12	5.73
Equity Asia Pacific Sm&Mid Cap (1)	18.79	4.55	8.80	8.44	5.11
Equity China (2)	20.78	12.61	23.69	20.77	26.82
Equity Emerging Mkts Asia (1)	15.26	-4.91	1.01	-3.96	8.49
Equity Emerging Mkts Global (6)	17.79	-6.69	1.29	0.83	11.03
Equity Europe (3)	12.56	-13.16	-5.95	-8.08	-4.66
Equity Global (11)	15.97	-2.03	3.67	4.73	16.99
Equity Global Income (2)	11.03	-4.31	0.60	3.02	12.72
Equity Greater China (4)	17.23	7.89	19.30	19.33	34.60
Equity India (5)	11.80	-11.98	-12.90	-11.94	-7.40
Equity Japan (2)	9.05	-9.27	-4.10	0.55	-1.48
Equity Sector Information Tech (3)	32.20	23.40	32.80	34.80	86.41
Equity Sector Real Est Global (2)	7.98	-15.00	-15.64	-10.82	-1.34
Equity Singapore (8)	8.99	-16.76	-13.73	-17.71	-12.60
Mixed Asset SGD Aggressive (11)	11.14	-3.80	0.28	0.66	10.09
Mixed Asset SGD Balanced (30)	9.24	-1.70	1.74	2.66	9.74
Mixed Asset SGD Conservative (9)	6.43	2.67	4.37	6.73	12.97
Mixed Asset USD Bal - Global (2)	9.43	-7.37	-3.27	-3.03	-0.63
Money Market SGD (4)	0.23	0.53	0.88	1.28	3.53
Target Maturity Other (5)	9.69	-1.48	2.23	3.13	11.61
Equity US (1)	10.35	-10.82	-10.83	-10.89	-4.05
Equity Sector Healthcare (1)	14.04	8.21	18.36	18.59	42.18
Bond Asia Pacific LC (1)	5.88	1.94	2.68	3.74	9.42
Equity Japan Sm&Mid Cap (2)	11.52	-3.79	1.49	7.15	11.28
Bond Global LC (9)	2.21	4.79	3.62	6.91	11.27
Bond Global Short Term (1)	0.63	-0.44	-0.18	0.09	0.99
Grand Total (150)	10.66	-2.34	1.52	2.07	9.90

Source: Lipper



# **6 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.

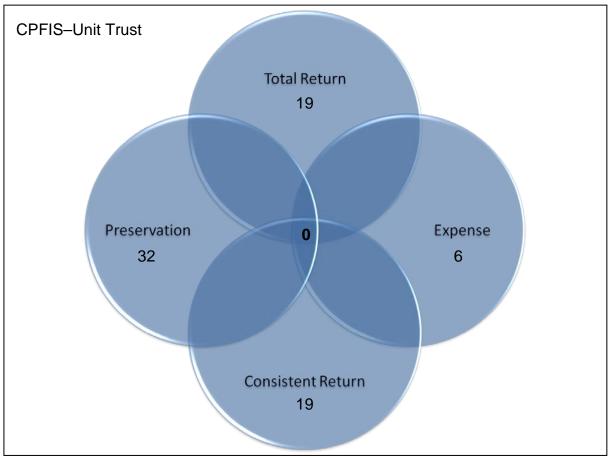
For each metric:

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."



# 6.1 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: Lipper

As at end June 2020, 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: 19 funds
- Consistent Return: 19 funds
- Preservation: 32 funds
- Expense: 6 funds

There is no CPFIS-included unit trust with rating of "5" (Lipper Leader) across all four metrics.



				3 Years Li	pper Rating	
S/N	Name	Lipper Global Classification	Expense	Preservation	Consistent Return	Total Return
1	AB SICAV I-International Health Care Portfolio (Class A) - SGD	Equity Sector Healthcare	2	Leader	Leader	Leader
2	Aberdeen Standard Asian Smaller Companies Fund	Equity Asia Pacific Sm&Mid Cap	3	4	4	3
3	Aberdeen Standard China Opportunities Fund	Equity Greater China	3	4	2	2
4	Aberdeen Standard European Opportunities Fund	Equity Europe	3	Leader	Leader	Leader
5	Aberdeen Standard Global Emerging Markets Fund	Equity Emerging Mkts Global	2	2	2	2
6	Aberdeen Standard Global Opportunities Fund	Equity Global	2	4	2	2
7	Aberdeen Standard India Opportunities Fund	Equity India	3	1	4	4
8	Aberdeen Standard Indonesia Equity Fund	Equity Indonesia	Leader	2	Leader	Leader
9	Aberdeen Standard Malaysian Equity Fund	Equity Malaysia	3	Leader	4	4
10	Aberdeen Standard Pacific Equity Fund	Equity Asia Pacific ex Japan	3	4	4	4
11	Aberdeen Standard Singapore Equity Fund	Equity Singapore	2	2	2	2
12	Aberdeen Standard Thailand Equity Fund	Equity Thailand	4	1	2	2
13	Allianz Europe Equity Growth - Class AT (H2-SGD)	Equity Europe	2	3	Leader	Leader
14	Allianz Global Investors Premier Funds – Allianz Global High Payout Fund - SGD	Equity Global Income	3	Leader	4	3
15	Allianz Global Investors Premier Funds – Allianz Global High Payout Fund (USD Share Class)	Equity Global Income	3	Leader	4	3
16	Allianz Oriental Income - Class AT (SGD)	Equity Asia Pacific	3	4	Leader	Leader
17	Eastspring Investments - Japan Dynamic Fund Class As (hedged)	Equity Japan	3	1	1	1
18	Eastspring Investments Unit Trusts – Asian Balanced Fund	Mixed Asset SGD Balanced	4	3	3	3
19	Eastspring Investments Unit Trusts - Dragon Peacock Fund Class A	Equity Emerging Mkts Asia	4	2	1	1
20	Eastspring Investments Unit Trusts – Pan European Fund	Equity Europe	3	3	3	3
21	Eastspring Investments Unit Trusts – Singapore ASEAN Equity Fund	Equity Singapore	2	2	1	1
22	Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class A	Bond SGD	4	Leader	4	4
23	Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class AD	Bond SGD	4	Leader	3	3
24	Eastspring Investments-Asian Equity Income Fund Class as Hedged	Equity Asia Pacific ex Japan	3	1	1	1
25	Fidelity Funds – America Fund SR-ACC-SGD	Equity US	2	3	1	1
26	Fidelity Funds – America Fund SR-ACC-USD	Equity US	2	3	1	1
27	Fidelity Funds – Asia Focus Fund SR-ACC-SGD	Equity Asia Pacific ex Japan	3	4	Leader	Leader
28	Fidelity Funds - Asian Special Situations Fund SR-ACC-SGD	Equity Asia Pacific ex Japan	3	3	4	3
29	Fidelity Funds – European Growth Fund SR-ACC-Euro	Equity Europe	3	3	3	3
30	Fidelity Funds – European Growth Fund SR-ACC-SGD	Equity Europe	3	3	3	3
31	Fidelity Funds - Greater China Fund SR-ACC-SGD	Equity Greater China	4	3	4	4
32	Fidelity Funds-America Fund SR-ACC-SGD (Hedged)	Equity US	3	2	1	1
33	Fidelity Funds-China Focus Fund SR-ACC-SGD	Equity China	3	2	1	1
34	Fidelity Funds-Emerging Markets Fund SR-ACC-SGD	Equity Emerging Mkts Global	3	3	4	4
35	Fidelity Funds-Global Dividend Fund SR-ACC-SGD	Equity Global Income	3	Leader	Leader	Leader
36	Fidelity Funds-Global Dividend Fund SR-MINCOME(G)-SGD	Equity Global Income	3	Leader	Leader	Leader
37	First State Asian Growth Fund	Equity Asia Pacific ex Japan	3	Leader	4	4
38	First State Bridge – Class A (Semi-Annually Distributing)	Mixed Asset SGD Balanced	Leader	Leader	Leader	Leader
39	First State Dividend Advantage - Class A (Quarterly Distributing)	Equity Asia Pacific ex Japan	3	Leader	Leader	Leader

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



				3 Years Li	pper Rating	
S/N	Name	Lipper Global Classification	Expense	Preservation	Consistent Return	Total Return
40	First State Regional China Fund	Equity Greater China	4	3	3	4
41	Franklin Templeton Investment Funds - Templeton Emerging Markets Fund A(acc)SGD	Equity Emerging Mkts Global	2	3	4	4
42	Franklin Templeton Investment Funds – Franklin Biotechnology Discovery Fund A(acc)SGD	Equity Sector Biotechnology	3	1	2	2
43	Franklin Templeton Investment Funds – Franklin India Fund AS (acc)SGD	Equity India	3	1	2	2
44	Franklin Templeton Investment Funds – Franklin U.S. Opportunities Fund AS (acc)SGD	Equity US	2	Leader	Leader	Leader
45	Franklin Templeton Investment Funds – Templeton Asian Growth Fund A(acc)SGD	Equity Asia Pacific ex Japan	1	2	3	2
46	Franklin Templeton Investment Funds – Templeton China Fund A(acc)SGD	Equity Greater China	1	4	3	3
47	Franklin Templeton Investment Funds – Templeton Global Balanced Fund AS (acc)SGD	Mixed Asset USD Bal - Global	4	1	2	1
48	Franklin Templeton Shariah Funds – Templeton Shariah Global Equity Fund AS (acc)SGD	Equity Global	2	4	1	1
49	Infinity Investment Series – Infinity Global Stock Index Fund (SGD Class)	Equity Global	Leader	Leader	3	3
50	Infinity Investment Series – Infinity U.S. 500 Stock Index Fund (SGD Class)	Equity US	Leader	Leader	4	4
51	Legg Mason Martin Currie Southeast Asia Trust (Class A (SGD) Accumulating)	Equity ASEAN	3	2	2	2
52	Legg Mason Western Asset Global Bond Trust (Class A (SGD) Accumulating)	Bond Global LC	3	Leader	Leader	Leader
53	Legg Mason Western Asset Singapore Bond Fund (Class A (SGD) Accumulating)	Bond SGD	2	Leader	2	2
54	LionGlobal Japan Growth Fund (SGD)	Equity Japan Sm&Mid Cap	3	Leader	4	4
55	LionGlobal Japan Growth Fund SGD-Hedged Class	Equity Japan Sm&Mid Cap	3	3	3	3
56	LionGlobal Short Duration Bond Fund Class A (SGD) (Dist)	Bond Global LC	4	Leader	3	3
57	LionGlobal Singapore / Malaysia Fund (SGD)	Equity ASEAN	4	3	2	2
58	LionGlobal TEAM - Singapore Fixed Income Investment (Class A)	Bond SGD	3	Leader	4	4
59	LionGlobal Thailand Fund (SGD)	Equity Thailand	3	1	4	4
60	Manulife Asia Pacific Investment Grade Bond Fund Class A	Bond Asia Pacific LC	4	Leader	3	3
61	Manulife Global Fund - Global Equity Fund	Equity Global	2	4	2	2
62 63	Manulife Singapore Bond Fund (Class A) Natixis International Funds (LUX) I - Harris Associates Global Equity Fund P/A (SGD)	Bond SGD Equity Global	2	Leader 1	3	3
64	Natixis International Funds (LUX) I - Harris Associates U.S. Equity Fund H-P/A (SGD)	Equity US	2	1	2	1
65	Nikko AM Asia Investment Funds - Nikko AM Shenton Global Property Securities Fund S\$ Class	Equity Sector Real Est Global	2	4	4	3
	Nikko AM Japan Dividend Equity Fund-SGD Class Units	Equity Japan Income	N/A	Leader	N/A	N/A
67	Nikko AM Japan Dividend Equity Fund-SGD Hedged Class Units	Equity Japan Income	N/A	3	N/A	N/A
68	Nikko AM Shenton Global Opportunities Fund SGD Class	Equity Global	3	Leader	Leader	Leader
69	Nikko AM Shenton Japan Fund (S\$) Class	Equity Japan	3	3	3	2
70	Nikko AM Shenton Short Term Bond Funds - Nikko AM Shenton Short Term Bond Fund (S\$) Class	Bond Global Short Term	Leader	Leader	3	3
71	Nikko AM Shenton Thrift Fund	Equity Singapore	Leader	2	2	2
72	PineBridge Asia Ex Japan Small Cap Equity Fund - Class A5CP	Equity Asia Pacific ex Japan	3	Leader	Leader	Leader
73	PineBridge Asia Ex Japan Small Cap Equity Fund - Class Y	Equity Asia Pacific ex Japan	4	Leader	Leader	Leader
74	Pinebridge India Equity Fund - Class A5CP	Equity India	3	2	Leader	Leader
75	PineBridge International Funds - Acorns of Asia Balanced Fund	Mixed Asset SGD Balanced	4	2	3	4
76	PineBridge International Funds - Singapore Bond Fund	Bond SGD	2	Leader	3	3



				3 Years Li	pper Rating	
S/N	Name	Lipper Global Classification	Expense	Preservation	Consistent Return	Total Return
77	Pinebridge US Large Cap Research Enhanced Fund - Class A5CP	Equity US	2	4	3	3
78	Pinebridge US Large Cap Research Enhanced Fund - Class Y	Equity US	3	4	3	3
79	Schroder Asian Equity Yield Fund	Equity Asia Pacific ex Japan	3	4	2	2
80	Schroder Asian Growth Fund	Equity Asia Pacific ex Japan	4	2	4	4
81	Schroder Asian Investment Grade Credit	Bond Asia Pacific HC	4	Leader	4	4
82	Schroder China Opportunities Fund	Equity China	4	3	4	4
83	Schroder Global Emerging Market Opportunities Fund	Equity Emerging Mkts Global	3	3	Leader	Leader
84	Schroder International Selection Fund Greater China Class F	Equity Greater China	4	4	4	4
85	Schroder Multi-Asset Revolution Class A	Mixed Asset SGD Balanced	3	3	Leader	Leader
86	Schroder Singapore Fixed Income Fund Class A	Bond SGD	3	Leader	3	3
87	Schroder Singapore Trust Class A	Equity Singapore	4	2	3	3
88	United Asia Top-50 Fund	Equity Asia Pacific	1	4	1	1
89	United Global Healthcare Fund	Equity Sector Healthcare	2	4	3	3
90	United SGD Fund - Class A (ACC) SGD	Bond SGD	4	Leader	1	1
91	United Singapore Bond Fund	Bond SGD	3	Leader	Leader	Leader
92	United Singapore Growth Fund	Equity Singapore	4	2	3	2

Source: Lipper



# 6.2 Lipper Leader Rating for CPFIS-Included ILPs

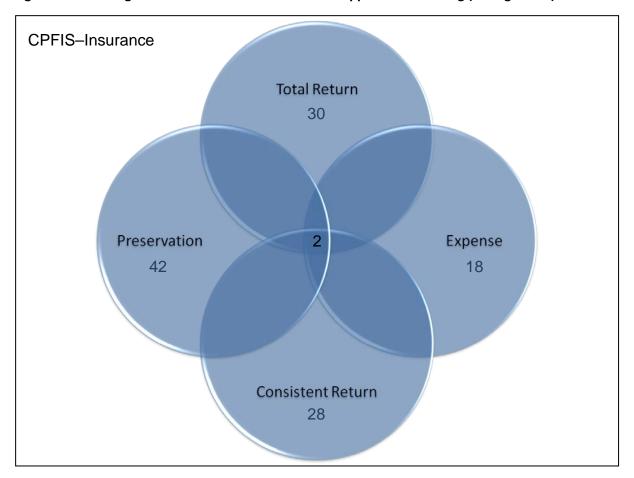


Figure 7 Venn Diagram of CPFIS-Included ILPs With a Lipper Leader Rating (Rating of "5")

As at end June 2020, 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: 30 funds
- Consistent Return: 28 funds
- Preservation: 42 funds
- Expense: 18 funds

GreatLink Global Supreme Fund and NTUC Global Managed Fund (Balanced) received a rating of "5" (Lipper Leader) across all four metrics.



Source: Lipper

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

		-		3 Years Lipper Rating				
S/N	Name	Lipper Global Classification	Expense	Preservation	Consistent Return	Total Return		
1	AIA Acorns of Asia Fund	Mixed Asset SGD Balanced	3	2	3	4		
2	AIA Emerging Markets Balanced Fund	Mixed Asset SGD Balanced	3	2	4	Leader		
3	AIA Emerging Markets Equity Fund	Equity Emerging Mkts Global	2	3	Leader	Leader		
4	AIA Global Balanced Fund	Mixed Asset SGD Balanced	3	4	4	3		
5	AIA Global Bond Fund	Bond Global LC	2	Leader	Leader	Leader		
6	AIA Global Technology Fund	Equity Sector Information Tech	3	4	Leader	Leader		
7	AIA Greater China Balanced Fund	Mixed Asset SGD Balanced	3	3	Leader	Leader		
8	AIA Greater China Equity Fund	Equity Greater China	3	3	4	4		
9	AIA Growth Fund	Mixed Asset SGD Aggressive	Leader	1	1	1		
10	AIA India Balanced Fund	Mixed Asset SGD Balanced	3	1	2	2		
11	AIA India Opportunities Fund	Equity India	3	1	4	4		
12	AIA International Health Care Fund	Equity Sector Healthcare	2	Leader	Leader	Leader		
13	AIA Japan Balanced Fund	Mixed Asset SGD Balanced	3	3	2	2		
14	AIA Japan Equity Fund	Equity Japan	2	3	2	2		
	AIA Portfolio 100	Equity Global Income	3	Leader	4	4		
16	AIA Portfolio 30	Mixed Asset SGD Conservative	4	Leader	Leader	Leader		
	AIA Portfolio 50	Mixed Asset SGD Balanced	3	4	Leader	Leader		
	AIA Portfolio 70	Mixed Asset SGD Aggressive	3	2	3	3		
	AIA Regional Equity Fund	Equity Asia Pacific ex Japan	3	3	4	3		
	AIA Regional Fixed Income Fund	Bond SGD	2	Leader	4	4		
	Aviva Balanced Growth (SP)	Mixed Asset SGD Balanced	1	1	3	3		
	Aviva Capital Growth (SP)	Equity Asia Pacific ex Japan	1	2	4	4		
	Aviva Income Growth (SP)	Mixed Asset SGD Conservative	1	Leader	2	2		
24	Aviva Legg Mason Western Asset Global Bond Trust (SP)	Bond Global LC	1	Leader	3	2		
25	Aviva LionGlobal Japan Growth (SP)	Equity Japan Sm&Mid Cap	1	4	2	3		
	Aviva MM Balanced Growth	Mixed Asset SGD Balanced	3	2	4	Leader		
27	Aviva MM Capital Growth	Equity Asia Pacific ex Japan	3	2	4	4		
	Aviva MM Income Growth	Mixed Asset SGD Conservative	2	Leader	3	3		
29	Aviva Nikko AM Shenton Short Term Bond (SP)	Bond Global Short Term	1	Leader	2	2		
30	Aviva Schroder Multi Asset Revolution	Mixed Asset SGD Balanced	Leader	3	4	4		
31	Aviva Standard Aberdeen Pacific Equity (SP)	Equity Asia Pacific ex Japan	1	3	3	3		
	Aviva Templeton Global Balanced (SP) - CPF	Mixed Asset SGD Balanced	1	1	1	1		
	AXA Asian Balanced Fund	Mixed Asset SGD Balanced	3	2	3	4		
	AXA Asian Growth Fund	Equity Asia Pacific ex Japan	3	4	2	2		
	AXA China Growth Fund	Equity Greater China	3	3	4	4		
	AXA Fortress Fund A	Equity Singapore	2	2	1	1		
	AXA Fortress Fund B	Equity Singapore	2	3	1	1		
	AXA Global Balanced Fund	Mixed Asset SGD Balanced	3	4	Leader	4		
	AXA Global Defensive Fund	Bond Global LC	2	Leader	Leader	4		
	AXA Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	2	3	Leader	Leader		
	AXA Global Equity Blend	Equity Global	2	Leader	4	4		
42	AXA Global Growth Fund	Mixed Asset SGD Aggressive	3	2	3	3		
	AXA Global High Growth Fund	Equity Global	2	Leader	4	4		
	AXA Global Nigh Glowith und	Mixed Asset SGD Conservative	4	Leader	Leader	Leader		
	AXA India Fund	Equity India	3	1	4	4		



				3 Years Lippe	r Rating	
S/N	Name	Lipper Global Classification	Expense	Preservation	Consistent Return	Total Return
46	AXA Pacific Equity Fund	Equity Asia Pacific ex Japan	3	4	4	3
47	AXA Shariah Global Equity Fund	Equity Global	2	4	1	1
48	AXA Short Duration Bond Fund	Bond SGD	2	Leader	1	1
49	AXA Singapore Balanced Fund	Mixed Asset SGD Balanced	3	2	2	2
50	AXA Singapore Bond Fund	Bond SGD	2	Leader	4	4
51	AXA Singapore Equity Fund	Equity Singapore	2	2	2	2
52	AXA South East Asia Special Situations Fund	Equity ASEAN	3	1	1	1
53	AXA Value Growth Fund	Equity Asia Pacific ex Japan	3	4	2	2
54	GreatLink Asia Pacific Equity Fund	Equity Asia Pacific ex Japan	3	4	4	4
55	GreatLink China Growth Fund	Equity Greater China	4	4	4	4
56	GreatLink European Equity Fund	Equity Europe	3	2	2	2
57	GreatLink Global Bond Fund	Bond Global LC	3	Leader	Leader	Leader
58	GreatLink Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	3	3	4	4
59	GreatLink Global Equity Alpha Fund	Equity Global	3	4	3	3
60	GreatLink Global Perspective Fund	Equity Global	2	Leader	3	3
61	GreatLink Global Real Estate Securities Fund	Equity Sector Real Est Global	3	4	4	4
62	GreatLink Global Supreme Fund	Mixed Asset SGD Balanced	Leader	Leader	Leader	Leader
63	GreatLink Global Technology Fund	Equity Sector Information Tech	4	4	4	3
64	GreatLink Lifestyle Balanced Portfolio	Mixed Asset SGD Balanced	Leader	4	Leader	Leader
65	GreatLink LifeStyle Dynamic Portfolio	Equity Global	3	4	3	3
66	GreatLink LifeStyle Progressive Portfolio	Mixed Asset SGD Aggressive	4	2	4	4
67	GreatLink Lifestyle Secure Portfolio	Mixed Asset SGD Aggressive	4	Leader	3	3
68	GreatLink Lifestyle Steady Portfolio	Mixed Asset SGD Balanced	Leader	Leader	4	4
69	GreatLink Lion Asian Balanced Fund	Mixed Asset SGD Balanced		4	4	3
			Leader	3	4	4
70	GreatLink Lion Japan Growth Fund	Equity Japan Sm&Mid Cap	3			
71	GreatLink Short Duration Bond Fund	Bond Global LC	4	Leader	2	2
72	GreatLink Singapore Equities Fund	Equity Singapore		2	2	
73	HSBC Insurance Ethical Global Equity Fund	Equity Global	2	3	1	1
	HSBC Insurance Global Bond Fund	Bond Global LC	3	Leader	Leader	Leader
	HSBC Insurance Pacific Equity Fund	Equity Asia Pacific ex Japan	3	3	3	3
	Manulife Asian Small-Cap Equity Fund	Equity Asia Pacific Sm&Mid Cap	3	3	4	Leader
	Manulife European Equity Fund	Equity Europe	3	3	3	3
	Manulife Global Emerging Markets Fund	Equity Emerging Mkts Global	3	2	2	2
	Manulife Golden Asia Growth Fund	Equity Asia Pacific ex Japan	3	3	4	4
	Manulife Golden Balanced Growth Fund	Mixed Asset SGD Balanced	4	2	1	2
81	Manulife Golden Global Balanced Fund	Mixed Asset SGD Balanced	3	3	4	4
82	Manulife Golden International Bond Fund	Bond Global LC	3	Leader	Leader	Leader
83	Manulife Golden Regional China Fund	Equity China	4	2	3	2
84	Manulife Golden S.E.A Special Situations Fund	Equity ASEAN	4	2	2	2
	Manulife Golden Singapore Growth Fund	Equity Singapore	2	2	3	3
86	Manulife Golden Worldwide Equity Fund	Equity Global	3	4	2	2
87	Manulife Income Series - Asia Pacific Investment Grade Bond Fund	Bond Asia Pacific LC	4	Leader	3	3
88	Manulife Income Series – Asian Balanced Fund	Mixed Asset SGD Balanced	3	3	2	2
89	Manulife Income Series - Global Balanced Fund	Mixed Asset USD Bal - Global	4	1	2	2
90	Manulife India Equity Fund	Equity India	3	1	4	4
91	Manulife Japan Growth Fund	Equity Japan	3	3	2	2



				3 Years Lipper Rating				
S/N	Name	Lipper Global Classification	Expense	Preservation	Consistent Return	Total Return		
92	Manulife Lifestyle Portfolios - Aggressive	Equity Global	3	4	1	1		
93	Manulife Lifestyle Portfolios - Conservative	Mixed Asset SGD Conservative	Leader	Leader	3	3		
94	Manulife Lifestyle Portfolios - Growth	Mixed Asset SGD Aggressive	3	2	2	2		
95	Manulife Lifestyle Portfolios - Moderate	Mixed Asset SGD Balanced	Leader	3	3	3		
96	Manulife Lifestyle Portfolios - Secure	Mixed Asset SGD Balanced	Leader	Leader	4	3		
97	Manulife Pacific Equity Fund	Equity Asia Pacific ex Japan	3	4	2	2		
98	Manulife Singapore Bond Fund	Bond SGD	2	Leader	4	4		
99	NTUC AIM 2025	Target Maturity Other	2	Leader	Leader	Leader		
100	NTUC AIM 2035	Target Maturity Other	2	2	3	Leader		
101	NTUC AIM 2045	Target Maturity Other	2	2	2	Leader		
102	NTUC AIM NOW	Mixed Asset SGD Conservative	Leader	Leader	4	4		
103	NTUC Asia Managed Fund	Mixed Asset SGD Aggressive	Leader	2	4	Leader		
104	NTUC Global Bond Fund	Bond Global LC	3	Leader	4	4		
105	NTUC Global Equity Fund	Equity Global	3	Leader	4	4		
	NTUC Global Managed Fund (Balanced)	Mixed Asset SGD Balanced	Leader	Leader	Leader	Leader		
107	NTUC Global Managed Fund (Conservative)	Mixed Asset SGD Conservative	4	Leader	Leader	Leader		
108	NTUC Global Managed Fund (Growth)	Mixed Asset SGD Aggressive	Leader	3	Leader	Leader		
109	NTUC Global Technology Fund	Equity Sector Information Tech	4	4	3	3		
110	NTUC Prime Fund	Mixed Asset SGD Balanced	Leader	3	3	3		
111	NTUC Singapore Bond Fund	Bond SGD	4	Leader	Leader	Leader		
112	NTUC Singapore Equity Fund	Equity Singapore	Leader	2	1	1		
113	NTUC Singapore Managed Fund	Mixed Asset SGD Balanced	Leader	2	2	2		
114	NTUC Takaful Fund	Equity Global	3	Leader	Leader	Leader		
115	PruLink Adapt 2025	Target Maturity Other	1	Leader	4	Leader		
116	PruLink Adapt 2035	Target Maturity Other	1	3	2	4		
117	PruLink America Fund	Equity US	2	3	1	1		
118	PruLink Asian American Managed Fund	Mixed Asset SGD Balanced	4	3	3	3		
119	PruLink Asian Equity Fund	Equity Asia Pacific ex Japan	3	2	2	1		
120	PruLink Asian Income and Growth Fund	Mixed Asset SGD Balanced	Leader	3	4	4		
121	Prulink China-India Fund	Equity Emerging Mkts Asia	4	2	1	1		
	PruLink Emerging Markets Fund	Equity Emerging Mkts Global	2	3	Leader	Leader		
123	PruLink Global Bond Fund	Bond Global LC	3	Leader	4	4		
124	PruLink Global Equity Fund	Equity Global Income	3	Leader	Leader	Leader		
125	PruLink Global Managed Fund	Mixed Asset SGD Balanced	3	3	Leader	Leader		
	PruLink Global Property Securities Fund	Equity Sector Real Est Global	2	4	2	2		
	PruLink Greater China Fund	Equity Greater China	4	4	4	4		
	PRUlink India Equity Fund	Equity India	3	1	4	4		
	PruLink Pan European Fund	Equity Europe	3	3	3	3		
100	PruLink Singapore ASEAN Managed Fund	Mixed Asset SGD Aggressive	4	1	1	1		
131	PruLink Singapore Asian Managed Fund	Mixed Asset SGD Aggressive	Leader	1	1	1		
132	PruLink Singapore Dynamic Bond Fund	Bond SGD	4	Leader	4	4		
	PruLink Singapore Growth Fund	Equity Singapore	3	2	2	2		
134	TMLS Asian Equity Fund	Equity Asia Pacific ex Japan	3	4	4	4		
135	TMLS China Equity Fund	Equity China	3	3	4	4		



				3 Years Lipper Rating				
S/N	Name	Lipper Global Classification	Expense	Preservation	Consistent Return	Total Return		
136	TMLS Global Balanced Fund	Mixed Asset USD Bal - Global	4	2	2	2		
137	TMLS Global Bond Fund	Bond SGD	3	Leader	Leader	4		
138	TMLS Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	3	3	4	4		
139	TMLS India Equity Fund	Equity India	3	1	4	4		
140	TMLS Multi-Asset 30 Fund	Mixed Asset SGD Conservative	2	Leader	4	4		
141	TMLS Multi-Asset 50 Fund	Mixed Asset SGD Balanced	3	4	Leader	4		
142	TMLS Multi-Asset 70 Fund	Mixed Asset SGD Aggressive	4	3	4	4		
143	TMLS Multi-Asset 90 Fund	Mixed Asset SGD Aggressive	2	1	Leader	4		
144	TMLS Singapore Bond Fund	Bond SGD	2	Leader	2	2		
145	TMLS Singapore Equity Fund	Equity Singapore	2	2	1	1		

Source: Lipper



# 7 Appendices

# 7.1 Complete List of Funds <sup>6</sup>

## 7.1.1 Full List of CPFIS-Included Unit Trusts

S/N	Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
1	United Asia Top-50 Fund	Equity Asia Pacific	Higher Risk	Narrowly Focused	31-12-19	2.62
2	Franklin Templeton Investment Funds – Templeton China Fund A(acc)SGD	Equity Greater China	Higher Risk	Narrowly Focused	30-06-19	2.45
3	Franklin Templeton Investment Funds – Templeton Asian Growth Fund A(acc)SGD	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	30-06-19	2.21
4	United Global Healthcare Fund	Equity Sector Healthcare	Higher Risk	Narrowly Focused	31-12-19	2.12
5	AB SICAV I-International Health Care Portfolio (Class A) - SGD	Equity Sector Healthcare	Higher Risk	Narrowly Focused	30-11-19	2.01
6	Franklin Templeton Investment Funds - Templeton Emerging Markets Fund A(acc)SGD	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	30-06-19	2.00
7	Manulife Global Fund - Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	31-12-19	1.94
8	Nikko AM Asia Investment Funds - Nikko AM Shenton Global Property Securities Fund S\$ Class	Equity Sector Real Est Global	Higher Risk	Narrowly Focused	31-12-19	1.94
9	Allianz Europe Equity Growth - Class AT (H2-SGD)	Equity Europe	Higher Risk	Narrowly Focused	30-09-19	1.86
10	Allianz Oriental Income - Class AT (SGD)	Equity Asia Pacific	Higher Risk	Narrowly Focused	30-09-19	1.86
11	Franklin Templeton Investment Funds – Franklin Biotechnology Discovery Fund A(acc)SGD	Equity Sector Biotechnology	Higher Risk	Narrowly Focused	30-06-19	1.82
12	LionGlobal Thailand Fund (SGD)	Equity Thailand	Higher Risk	Narrowly Focused	31-12-19	1.76
13	Aberdeen Standard Asian Smaller Companies Fund	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	31-03-20	1.75
14	Aberdeen Standard China Opportunities Fund	Equity Greater China	Higher Risk	Narrowly Focused	31-03-20	1.75
15	Aberdeen Standard European Opportunities Fund	Equity Europe	Higher Risk	Narrowly Focused	31-03-20	1.75
16	Aberdeen Standard Global Emerging Markets Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	31-03-20	1.75
17	Aberdeen Standard Global Opportunities Fund	Equity Global	Higher Risk	Broadly Diversified	31-03-20	1.75
18	Aberdeen Standard India Opportunities Fund	Equity India	Higher Risk	Narrowly Focused	31-03-20	1.75
19	Aberdeen Standard Indonesia Equity Fund	Equity Indonesia	Higher Risk	Narrowly Focused	31-03-20	1.75
20	Aberdeen Standard Malaysian Equity Fund	Equity Malaysia	Higher Risk	Narrowly Focused	31-03-20	1.75
21	Franklin Templeton Investment Funds – Franklin India Fund AS (acc)SGD	Equity India	Higher Risk	Narrowly Focused	30-06-19	1.75
22	Franklin Templeton Shariah Funds – Templeton Shariah Global Equity Fund AS (acc)SGD	Equity Global	Higher Risk	Broadly Diversified	30-06-19	1.75

<sup>&</sup>lt;sup>6</sup> These expense ratios may not be up to end of June 2020 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(less than 3 years) have no available data and recorded as N/A.





S/N	Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
23	Legg Mason Martin Currie Southeast Asia Trust (Class A (SGD) Accumulating)	Equity ASEAN	HIGHER RISK	NARROWLY FOCUSED	31-03-20	1.75
24	Natixis International Funds (LUX) I - Harris Associates Global Equity Fund P/A (SGD)	Equity Global	HIGHER RISK	BROADLY DIVERSIFIED	30-06-19	1.75
25	Natixis International Funds (LUX) I - Harris Associates U.S. Equity Fund H- P/A (SGD)	Equity US	HIGHER RISK	NARROWLY FOCUSED	30-06-19	1.75
26	Aberdeen Standard Thailand Equity Fund	Equity Thailand	HIGHER RISK	NARROWLY FOCUSED	31-03-20	1.74
27	First State Asian Growth Fund	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.74
28	Schroder Asian Equity Yield Fund	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.74
29	Eastspring Investments Unit Trusts – Pan European Fund	Equity Europe	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.73
30	Fidelity Funds - Greater China Fund SR-ACC-SGD	Equity Greater China	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.73
31	Fidelity Funds-Emerging Markets Fund SR-ACC-SGD	Equity Emerging Mkts Global	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.73
32	Pinebridge India Equity Fund - Class A5CP	Equity India	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.73
33	Fidelity Funds – Asia Focus Fund SR- ACC-SGD	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.72
34	Fidelity Funds - Asian Special Situations Fund SR-ACC-SGD	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.72
35	Nikko AM Japan Dividend Equity Fund-SGD Hedged Class Units	Equity Japan Income	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.72
36	Fidelity Funds-China Focus Fund SR- ACC-SGD	Equity China	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.71
37	Franklin Templeton Investment Funds – Franklin U.S. Opportunities Fund AS (acc)SGD		HIGHER RISK	NARROWLY FOCUSED	30-06-19	1.71
38	Nikko AM Japan Dividend Equity Fund-SGD Class Units	Equity Japan Income	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.71
39	PineBridge Asia Ex Japan Small Cap Equity Fund - Class A5CP	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.71
40	Allianz Best Styles Emerging Markets Equity Class ET (H2-SGD)	Equity Emerging Mkts Global	HIGHER RISK	NARROWLY FOCUSED	30-09-19	1.70
41	First State Dividend Advantage - Class A (Quarterly Distributing)	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.70
42	Pinebridge US Large Cap Research Enhanced Fund - Class A5CP	Equity US	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.70
43	Schroder International Selection Fund Greater China Class F	Equity Greater China	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.70
44	Fidelity Funds – America Fund SR- ACC-SGD	Equity US	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.69

The Financial and Risk business of Thomson Reuters is now Refinitiv.



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S/N	Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
-	Fidelity Funds – America Fund SR-ACC-USD	Equity US	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.69
46	Fidelity Funds – European Growth Fund SR-ACC-Euro	Equity Europe	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.69
47	Fidelity Funds – European Growth Fund SR-ACC-SGD	Equity Europe	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.69
48	Fidelity Funds-America Fund SR-ACC-SGD (Hedged)	Equity US	HIGHER RISK	NARROWLY FOCUSED	31-10-19	1.69
49	Fidelity Funds-Global Dividend Fund SR- ACC-SGD	Equity Global Income	HIGHER RISK	BROADLY DIVERSIFIED	31-10-19	1.69
50	Fidelity Funds-Global Dividend Fund SR- MINCOME(G)-SGD	Equity Global Income	HIGHER RISK	BROADLY DIVERSIFIED	31-10-19	1.69
51	Allianz Global Investors Premier Funds – Allianz Global High Payout Fund - SGD	Equity Global Income	HIGHER RISK	BROADLY DIVERSIFIED	31-12-19	1.68
52	Allianz Global Investors Premier Funds – Allianz Global High Payout Fund (USD Share Class)	Equity Global Income	HIGHER RISK	BROADLY DIVERSIFIED	31-12-19	1.68
53	First State Regional China Fund	Equity Greater China	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.68
54	Schroder China Opportunities Fund	Equity China	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.67
55	Aberdeen Standard Singapore Equity Fund	Equity Singapore	HIGHER RISK	NARROWLY FOCUSED	31-03-20	1.64
56	Eastspring Investments Unit Trusts – Singapore ASEAN Equity Fund	Equity Singapore	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.64
57	Aberdeen Standard Pacific Equity Fund	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-03-20	1.63
58	Eastspring Investments Unit Trusts - Dragon Peacock Fund Class A	Equity Emerging Mkts Asia	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.63
59	Schroder Global Emerging Market Opportunities Fund	Equity Emerging Mkts Global	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.62
60	Schroder International Selection Fund Asia Pacific ex-Japan Equity	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.61
61	Eastspring Investments - Japan Dynamic Fund Class As (hedged)	Equity Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.61
62	Eastspring Investments-Asian Equity Income Fund Class as Hedged	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.59
63	LionGlobal Japan Growth Fund (SGD)	Equity Japan Sm&Mid Cap	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.58
64	LionGlobal Japan Growth Fund SGD- Hedged Class	Equity Japan Sm&Mid Cap	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.58
65	Nikko AM Shenton Global Opportunities Fund SGD Class	Equity Global	HIGHER RISK	BROADLY DIVERSIFIED	31-12-19	1.56
66	LionGlobal Singapore / Malaysia Fund (SGD)	Equity ASEAN	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.52



S/N	Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
67	Allianz Best Styles Global Equity Class ET (H2-SGD)	Equity Global	HIGHER RISK	BROADLY DIVERSIFIED	30-09-19	1.39
68	United Singapore Growth Fund	Equity Singapore	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.38
69	Schroder Asian Growth Fund	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.34
70	Schroder Singapore Trust Class A	Equity Singapore	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.32
71	United Global Quality Growth Fund – Class C SGD Acc (Hedged)	Equity Global	HIGHER RISK	BROADLY DIVERSIFIED	31-12-19	1.23
72	PineBridge Asia Ex Japan Small Cap Equity Fund - Class Y	Equity Asia Pacific ex Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.22
73	Pinebridge US Large Cap Research Enhanced Fund - Class Y	Equity US	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.17
74	Nikko AM Shenton Japan Fund (S\$) Class	Equity Japan	HIGHER RISK	NARROWLY FOCUSED	31-12-19	1.12
75	Nikko AM Shenton Thrift Fund	Equity Singapore	HIGHER RISK	NARROWLY FOCUSED	31-12-19	0.88
76	Infinity Investment Series – Infinity Global Stock Index Fund (SGD Class)	Equity Global	HIGHER RISK	BROADLY DIVERSIFIED	31-12-19	0.75
77	Infinity Investment Series – Infinity U.S. 500 Stock Index Fund (SGD Class)	Equity US	HIGHER RISK	NARROWLY FOCUSED	31-12-19	0.70
78	Franklin Templeton Investment Funds – Templeton Global Balanced Fund AS (acc)SGD	Mixed Asset USD Bal - Global	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	30-06-19	1.55
79	Schroder Multi-Asset Revolution Class A	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	31-12-19	1.51
80	Eastspring Investments Unit Trusts – Asian Balanced Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	31-12-19	1.46
81	PineBridge International Funds - Acorns of Asia Balanced Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	31-12-19	1.46
82	First State Bridge – Class A (Semi-Annually Distributing)	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	31-12-19	1.43
83	Legg Mason Western Asset Singapore Bond Fund (Class A (SGD) Accumulating)	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-03-20	0.95
84	Manulife Singapore Bond Fund (Class A)	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.92
85	Manulife Asia Pacific Investment Grade Bond Fund Class A	Bond Asia Pacific LC	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.90
86	Schroder Asian Investment Grade Credit	Bond Asia Pacific HC	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.90
87	Legg Mason Western Asset Global Bond Trust (Class A (SGD) Accumulating)	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	31-03-20	0.88
88	PineBridge International Funds - Singapore Bond Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.85



S/N	Name	Lipper Global	CPFIS Risk	CPF Focus	TER Date	Expense Ratio
89	United Singapore Bond Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.76
90	Schroder Singapore Fixed Income Fund Class A	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.69
91	LionGlobal TEAM - Singapore Fixed Income Investment (Class A)	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.68
92	United SGD Fund - Class A (ACC) SGD	Bond SGD	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	31-12-19	0.67
93	Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class A	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.62
94	Eastspring Investments Unit Trusts – Singapore Select Bond Fund Class AD	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.62
95	Schroder Global Quality Bond Class SGD Hedged F Acc	Bond Global USD	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	31-12-19	0.61
96	LionGlobal Short Duration Bond Fund Class A (SGD) (Dist)	Bond Global LC	LOW TO MEDIUM RISK	NARROWLY FOCUSED	31-12-19	0.59
97	Nikko AM Shenton Short Term Bond Funds - Nikko AM Shenton Short Term Bond Fund (S\$) Class	Bond Global Short Term	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	31-12-19	0.41

Source: Central Provident Fund Board and Lipper



## 7.1.2 Full List of CPFIS-Included ILPs

S/N	Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
1	Aviva Standard Aberdeen Pacific Equity (SP)	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	2.95
2	Aviva LionGlobal Japan Growth (SP)	Equity Japan Sm&Mid Cap	Higher Risk	Narrowly Focused	Japan	31-12-19	2.83
3	Aviva Capital Growth (SP)	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	2.27
4	PruLink Global Property Securities Fund	Equity Sector Real Est Global	Higher Risk	Narrowly Focused	Sector - Others	31-12-19	2.02
5	AIA International Health Care Fund	Equity Sector Healthcare	Higher Risk	Narrowly Focused	Healthcare	31-12-19	1.99
6	AIA Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	31-12-19	1.75
7	AIA Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	Technology	31-12-19	1.75
8	AIA Greater China Equity Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	31-12-19	1.75
9	AIA India Opportunities Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	31-12-19	1.75
10	AIA Portfolio 100	Equity Global Income	Higher Risk	Broadly Diversified	N/A	31-12-19	1.75
11	AXA Asian Growth Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.75
12	AXA China Growth Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	31-12-19	1.75
13	AXA Fortress Fund A	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	1.75
14	AXA Fortress Fund B	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	1.75
15	AXA Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	31-12-19	1.75
16	AXA Global Equity Blend	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.75
17	AXA Global High Growth Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.75
18	AXA India Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	31-12-19	1.75
19	AXA Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.75
20	AXA Shariah Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.75
21	AXA Singapore Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	1.75
22	AXA South East Asia Special Situations Fund	Equity ASEAN	Higher Risk	Narrowly Focused	Asia	31-12-19	1.75



S/N	Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
23	AXA Value Growth Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.75
24	PruLink Emerging Markets Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	31-12-19	1.75
25	GreatLink Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	31-12-19	1.74
26	TMLS Multi-Asset 90 Fund	Mixed Asset SGD Aggressive	Higher Risk	Broadly Diversified	N/A	31-12-19	1.74
27	HSBC Insurance Ethical Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.73
28	HSBC Insurance Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.73
29	Manulife European Equity Fund	Equity Europe	Higher Risk	Narrowly Focused	Europe	31-12-19	1.73
30	Manulife Golden Asia Growth Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.73
31	PRUlink India Equity Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	31-12-19	1.73
32	PruLink Pan European Fund	Equity Europe	Higher Risk	Narrowly Focused	Europe	31-12-19	1.73
33	TMLS China Equity Fund	Equity China	Higher Risk	Narrowly Focused	Greater China	31-12-19	1.73
34	TMLS India Equity Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	31-12-19	1.73
35	Manulife Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.72
36	PruLink America Fund	Equity US	Higher Risk	Narrowly Focused	North America	31-12-19	1.72
37	TMLS Global Emerging Markets Equity Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	31-12-19	1.72
38	Manulife Global Emerging Markets Fund	Equity Emerging Mkts Global	Higher Risk	Narrowly Focused	Emerging Markets	31-12-19	1.71
39	Manulife Golden Singapore Growth Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	1.71
40	TMLS Singapore Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	1.71
41	Manulife India Equity Fund	Equity India	Higher Risk	Narrowly Focused	Country - Others	31-12-19	1.70
42	GreatLink Global Perspective Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.69
43	PruLink Greater China Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	31-12-19	1.69
44	TMLS Asian Equity Plus	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.69
45	PruLink Global Equity Fund	Equity Global Income	Higher Risk	Broadly Diversified	N/A	31-12-19	1.68
46	AIA Japan Equity Fund	Equity Japan	Higher Risk	Narrowly Focused	Japan	31-12-19	1.66
47	GreatLink Singapore Equities Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	1.66



S/N	Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
48	Manulife Golden Regional China Fund	Equity China	Higher Risk	Narrowly Focused	Greater China	31-12-19	1.66
49	AIA Regional Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.65
50	GreatLink Global Real Estate Securities Fund	Equity Sector Real Est Global	Higher Risk	Narrowly Focused	Sector - Others	31-12-19	1.65
51	Manulife Golden Worldwide Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.64
52	GreatLink Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	Technology	31-12-19	1.63
53	Manulife Golden S.E.A Special Situations Fund	Equity ASEAN	Higher Risk	Narrowly Focused	Asia	31-12-19	1.63
54	Prulink China-India Fund	Equity Emerging Mkts Asia	Higher Risk	Narrowly Focused	Country - Others	31-12-19	1.63
55	GreatLink Asia Pacific Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.62
56	GreatLink China Growth Fund	Equity Greater China	Higher Risk	Narrowly Focused	Greater China	31-12-19	1.62
57	GreatLink Global Equity Alpha Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.61
58	GreatLink Lion Japan Growth Fund	Equity Japan Sm&Mid Cap	Higher Risk	Narrowly Focused	Japan	31-12-19	1.60
59	Manulife Lifestyle Portfolios - Growth	Mixed Asset SGD Aggressive	Higher Risk	Broadly Diversified	N/A	31-12-19	1.60
60	Manulife Asian Small-Cap Equity Fund	Equity Asia Pacific Sm&Mid Cap	Higher Risk	Narrowly Focused	Asia	31-12-19	1.59
61	GreatLink LifeStyle Dynamic Portfolio	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.58
62	GreatLink European Equity Fund	Equity Europe	Higher Risk	Narrowly Focused	Europe	31-12-19	1.57
63	GreatLink LifeStyle Progressive Portfolio	Mixed Asset SGD Aggressive	Higher Risk	Broadly Diversified	N/A	31-12-19	1.53
64	PruLink Asian Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.53
65	Manulife Lifestyle Portfolios - Aggressive	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.51
66	TMLS Asian Equity Fund	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.45
67	PruLink Singapore Growth Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	1.44
68	Aviva MM Capital Growth	Equity Asia Pacific ex Japan	Higher Risk	Narrowly Focused	Asia	31-12-19	1.40
69	NTUC Global Technology Fund	Equity Sector Information Tech	Higher Risk	Narrowly Focused	Technology	31-12-19	1.32
70	NTUC Global Equity Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.27
71	NTUC Takaful Fund	Equity Global	Higher Risk	Broadly Diversified	N/A	31-12-19	1.26



S/N	Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
72	NTUC AIM 2045	Target Maturity Other	Higher Risk	Broadly Diversified	N/A	31-12-19	1.22
73	Manulife Japan Growth Fund	Equity Japan	Higher Risk	Narrowly Focused	Japan	31-12-19	1.17
74	NTUC Singapore Equity Fund	Equity Singapore	Higher Risk	Narrowly Focused	Singapore	31-12-19	0.75
75	Aviva Income Growth (SP)	Mixed Asset SGD Conservative	Medium To High Risk	Narrowly Focused	Asia	31-12-19	2.43
76	Aviva Balanced Growth (SP)	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	31-12-19	2.35
77	Aviva Templeton Global Balanced (SP) - CPF	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	31-12-19	2.32
78	Aviva MM Income Growth	Mixed Asset SGD Conservative	Medium To High Risk	Narrowly Focused	Asia	31-12-19	1.56
79	AIA Emerging Markets Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Regional - Others	31-12-19	1.55
80	AIA Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.55
81	AIA Greater China Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Greater China	31-12-19	1.55
82	AIA India Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Country - Others	31-12-19	1.55
83	AIA Japan Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Country - Others	31-12-19	1.55
84	AIA Portfolio 50	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.55
85	AIA Portfolio 70	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.55
86	AXA Asian Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	31-12-19	1.55
87	AXA Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.55
88	AXA Global Growth Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.55
89	AXA Singapore Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Singapore	31-12-19	1.55
90	AIA Acorns of Asia Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	31-12-19	1.54
91	TMLS Multi-Asset 50 Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.54
92	TMLS Global Balanced Fund	Mixed Asset USD Bal - Global	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.53
93	TMLS Multi-Asset 70 Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.53
94	Manulife Income Series – Asian Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	31-12-19	1.52
95	Manulife Golden Global Balanced Fund	Mixed Asset SGD Balanced	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.51
96	PruLink Adapt 2025	Target Maturity Other	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.51
97	PruLink Adapt 2035	Target Maturity Other	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.51



S/N	Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
98	TMLS Multi-Asset 30 Fund	Mixed Asset SGD Conservative	Medium To High Risk	Broadly Diversified	N/A	31-12-19	1.51
99	PruLink Singapore ASEAN Managed Fund	Mixed Asset SGD Aggressive	Medium To High Risk	Narrowly Focused	Asia	31-12-19	1.49
100	Aviva MM Balanced Growth	Mixed Asset SGD Balanced	Medium To High Risk	Narrowly Focused	Asia	31-12-19	1.48
101	Manulife Income Series - Global Balanced Fund	Mixed Asset USD Bal - Global	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.48
102	PruLink Global Managed Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.47
103	PruLink Asian American Managed Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Asia	31-12-19	1.46
104	Manulife Golden Balanced Growth Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Singapore	31-12-19	1.45
105	Aviva Schroder Multi Asset Revolution	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.43
106	PruLink Asian Income and Growth Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Asia	31-12-19	1.43
	Manulife Lifestyle Portfolios - Moderate	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.42
108	GreatLink Lion Asian Balanced Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Asia	31-12-19	1.39
IIIG	PruLink Singapore Asian Managed Fund	Mixed Asset SGD Aggressive	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Singapore	31-12-19	1.37
110	GreatLink Lifestyle Balanced Portfolio	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.35
	Manulife Lifestyle Portfolios - Secure	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.35
112	GreatLink Global Supreme Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.33
113	AIA Growth Fund	Mixed Asset SGD Aggressive	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Singapore	31-12-19	1.28
114	NTUC Asia Managed Fund	Mixed Asset SGD Aggressive	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Asia	31-12-19	1.22
115	NTUC AIM 2035	Target Maturity Other	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.20
116	GreatLink Lifestyle Steady Portfolio	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.18
117	NTUC AIM 2025	Target Maturity Other	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.16
118	NTUC Global Managed Fund (Growth)	Mixed Asset SGD Aggressive	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.09
	NTUC Singapore Managed Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Singapore	31-12-19	1.08
120	NTUC Prime Fund	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	NARROWLY FOCUSED	Asia	31-12-19	1.07
121	NTUC Global Managed Fund (Balanced)	Mixed Asset SGD Balanced	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	1.05
1177	GreatLink Lifestyle Secure Portfolio	Mixed Asset SGD Conservative	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.99



S/N	Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
123	NTUC Global Managed Fund (Conservative)	Mixed Asset SGD Conservative	MEDIUM TO HIGH RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.97
124	Aviva Legg Mason Western Asset Global Bond Trust (SP)	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	2.35
125	Aviva Nikko AM Shenton Short Term Bond (SP)	Bond Global Short Term	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	2.04
126	AIA Global Bond Fund	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.95
127	AIA Portfolio 30	Mixed Asset SGD Conservative	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.95
128	AXA Global Defensive Fund	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.95
129	AXA Global Secure Fund	Mixed Asset SGD Conservative	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.95
130	AXA Short Duration Bond Fund	Bond SGD	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.95
131	AXA Singapore Bond Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.95
132	Manulife Singapore Bond Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.95
133	TMLS Singapore Bond Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.94
134	HSBC Insurance Global Bond Fund	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.93
135	NTUC AIM NOW	Mixed Asset SGD Conservative	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.93
136	Manulife Income Series - Asia Pacific Investment Grade Bond Fund	Bond Asia Pacific LC	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Asia	31-12-19	0.91
137	Manulife Golden International Bond Fund	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.9
138	GreatLink Global Bond Fund	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.88
139	AIA Regional Fixed Income Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.87
140	NTUC Global Bond Fund	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.87
141	Manulife Lifestyle Portfolios - Conservative	Mixed Asset SGD Conservative	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Asia	31-12-19	0.86
142	TMLS Global Bond Fund	Bond SGD	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.85
143	PruLink Global Bond Fund	Bond Global LC	LOW TO MEDIUM RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.77
144	GreatLink Short Duration Bond Fund	Bond Global LC	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Asia	31-12-19	0.61



S/N	Name (CPF)	Lipper Global	CPFIS Risk	CPF Focus	Detail	TER Date	Expense Ratio
145	PruLink Singapore Dynamic Bond Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.61
146	NTUC Singapore Bond Fund	Bond SGD	LOW TO MEDIUM RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.52
147	Manulife Singapore Cash Fund	Money Market SGD	LOWER RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.78
148	GreatLink Cash Fund	Money Market SGD	LOWER RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.32
149	PruLink Singapore Cash Fund	Money Market SGD	LOWER RISK	BROADLY DIVERSIFIED	N/A	31-12-19	0.32
150	AIA S\$ Money Market Fund	Money Market SGD	LOWER RISK	NARROWLY FOCUSED	Singapore	31-12-19	0.31

Source: Central Provident Fund Board and 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
- **4** 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 equalweighted 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.



# 7.2 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 <u>http://www.lipperweb.com/Research/ClassMethodology.aspx</u>

#### **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

 $Percentage Growth = \frac{NAV_{t} - NAV_{t-1}}{NAV_{t-1}}$ 

For simple return:  $Performance \ Annualized = (1 + Percantage \ Growth)^{\frac{Number \ of \ Time \ Units \ Per \ Year}{Number \ of \ Time \ Units \ in \ Period} - 1}$ 

## Return Relative to Benchmark

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:

Relative Return = Fund Return – Benchmark 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:

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:

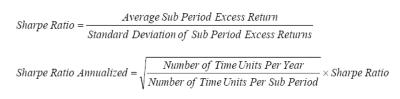
 $Information \ Ratio = \frac{Average \ Relative \ Return}{Tracking \ Error}$ 

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

#### 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:





## 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:

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

Standard Deviation =  $\sqrt{Variance}$ 

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

## Maximum Gain

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

Formula:

Maximum Gain = Max (Positive Sub-Period Returns)

#### Maximum Loss

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

Formula:

Maximum Loss = 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:

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

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

