



# MAS Retirement Savings Scheme Fund Update Booklet

For the quarter ended 31 December 2021

Signatory of:



CERTIFIED BY RIAA

# Contents

<b>Global Equities Fund</b>	3
<b>Aggressive Fund</b>	8
<b>Growth Fund</b>	13
<b>Balanced Fund</b>	18
<b>Moderate Fund</b>	23
<b>Conservative Fund</b>	28
<b>Cash Fund</b>	33

# MAS Retirement Savings Scheme

## Global Equities Fund



Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10 February 2022

### What is the purpose of this update?

This document tells you how the MAS Retirement Savings Scheme Global Equities Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Medical Funds Management Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

### Description of this fund

The Global Equities Fund usually invests only in growth assets. The Fund aims to provide higher returns over the long term. It is suitable for investors who are prepared to accept a higher level of investment risk to potentially achieve a higher return.

Total value of the fund	\$60,701,227
Number of investors in the fund	811
The date the fund started	1 October 2007

### What are the risks of investing?

Risk indicator for the Global Equities Fund:



The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [sorted.org.nz/tools/investor-kickstarter](https://sorted.org.nz/tools/investor-kickstarter)

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for 5 years to 31 December 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

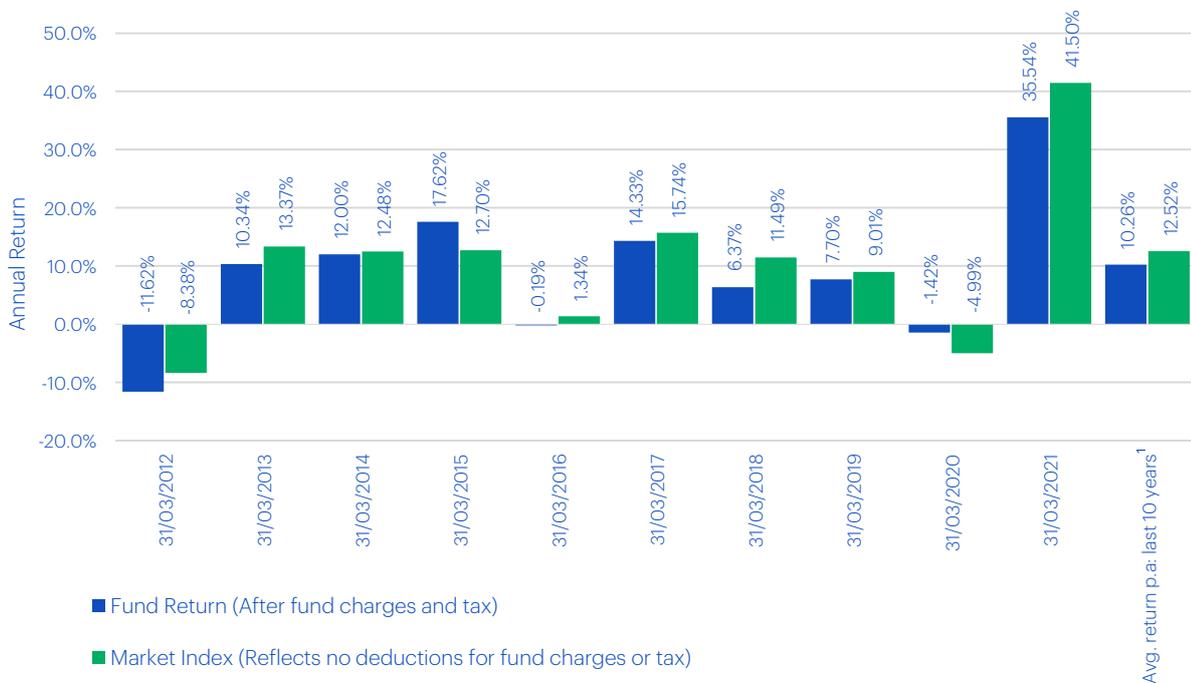
See the Product Disclosure Statement (PDS) for more information about the risks associated with investing in this fund.

# How has the fund performed?

	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	12.81%	16.88%
<b>Annual return</b> (after deductions for charges but before tax)	13.48%	17.04%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	14.45%	14.64%

The market index comprises the benchmark index returns of each of the asset classes weighted by their benchmark asset allocations. Additional information about the market index is available on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Annual Return Graph



<sup>1</sup> Please see the Notes section for an explanation of matters that may significantly affect the comparability of returns.

This shows the return after fund charges and tax for each of the last 10 years ending 31 March. The last bar shows the average annual return for the last 10 years, up to 31 December 2021.

**Important:** this does not tell you how the fund will perform in the future.

Returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

## What fees are investors charged?

Investors in the Global Equities Fund are charged fund charges. In the year to 31 March 2021 these were:

	% of net asset value <sup>2</sup>
<b>Total fund charges</b>	<b>1.12%</b>
Which are made up of:	
<b>Total management and administration charges</b>	<b>1.12%</b>
Including:	
Manager's basic fee	1.00%
Other management and administration charges <sup>3</sup>	0.12%
<b>Total performance-based fees</b>	<b>0.00%</b>

	Dollar amount per investor
Other charges	\$0

<sup>2</sup>The estimated annual fund charges include GST as applicable. Fees and charges may not sum to the total fund charges due to rounding.

<sup>3</sup>An estimate has been used to calculate certain underlying fund performance fees. Please see the Notes section for a further explanation.

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds). See the PDS for more information about those fees.

Small differences in fees and charges can have a big impact on your investment over the long term.

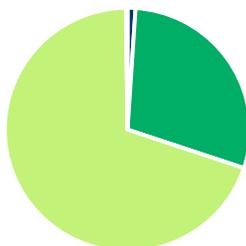
## Example of how this applies to an investor

Emily had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Emily received a return, after fund charges were deducted, of \$1,688 (that is 16.88% of her initial \$10,000). Emily also paid \$0 in other charges. This gives Emily a total return after tax of \$1,688 for the year.

## What does the fund invest in?

This shows the types of assets that the fund invests in.

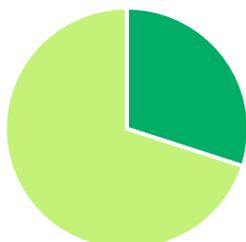
### Actual investment mix



- Cash and cash equivalents 1.05%
- Australasian equities 29.07%
- International equities 69.66%
- Other 0.22%

This shows the types of assets the fund generally intends to invest in.

### Target investment mix



- Cash and cash equivalents 0.00%
- Australasian equities 30.00%
- International equities 70.00%
- Other 0.00%

'Other' is comprised of Alternative Investments. These are private equity investments.

## Top 10 investments

No	Asset name	% of fund net assets	Type	Country	Credit rating (If Applicable)
1	Microsoft Corp	4.51%	International equities	US	
2	Infratil Ltd	2.86%	Australasian equities	NZ	
3	Fisher & Paykel Healthcare Ltd	2.83%	Australasian equities	NZ	
4	Mainfreight Ltd	2.07%	Australasian equities	NZ	
5	Meridian Energy Limited	1.65%	Australasian equities	NZ	
6	Alphabet Inc Class A	1.60%	International equities	US	
7	Tesla Inc	1.54%	International equities	US	
8	Alphabet Inc Class C	1.53%	International equities	US	
9	Fletcher Building Ltd	1.50%	Australasian equities	NZ	
10	Nvidia Corp	1.39%	International equities	US	

The total value of the above investments as a percentage of the net asset value of the Global Equities Fund is 21.48%.

## Currency hedging

Currency hedging can apply to some of the asset classes the fund invests in. As at 31 December 2021, the actual hedging is as follows:

Asset class	Benchmark hedging rate	Current hedging level
International Equities	Benchmark 69% hedged (Range 0-138%)	75%
Australasian Equities	Benchmark 138% hedged (Range 0-138%)	32%
International Fixed Interest	Benchmark 100% hedged	100%

The 138% upper range reflects an approximate after-tax position of 100% (assuming a PIR of 28%), better aligning the hedge position with the underlying assets, which have a different tax treatment. Please refer to the Statement of Investment Policy and Objectives on the scheme register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz) for more information.

## Key personnel

The 5 persons who have the most impact on investment decisions for the Global Equities Fund as at 31 December 2021.

Name	Current position	Time in current position	Previous or other position	Time in previous or other position
Bruce Robertson	Portfolio Manager, JBWere	24 Years, 9 Months	Partner, Goldman Sachs JBWere	7 Years, 1 Month
Tom Phillips	Portfolio Manager, JBWere	17 Years, 4 Months	Corporate lawyer, Bell Gully	7 Years, 8 Months
Earl White	Executive Advisor, Bancorp Treasury	18 Years, 11 Months	Treasurer, BNP Paribas	8 Years, 7 Months
Phil Borkin	Senior Strategist, JBWere	3 Years, 0 Months	Senior Macro Strategist, ANZ	4 Years, 0 Months
Hayden Griffiths	Head of Asset Allocation, JBWere	25 Years, 8 Months	Analyst, BZW	2 Years, 5 Months

## Further information

You can also obtain this information, the PDS for the MAS Retirement Savings Scheme, and some additional information from the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Notes

**In respect of footnote 1 on the last bar (the average return per annum for the last 10 years) on the 'How has the fund performed?' graph:**

For the years ending 31 December 2012 and 31 December 2013 annual return information was not available and returns for those years have been calculated based on return information for the period ending 31 March. As such, the calculation of the 10 year average return stated may be less reliable than a return calculated for the period ending 31 December for the last 10 years.

**In respect of footnote 3 under the 'What fees are investors charged?' table:**

The Global Equities Fund may invest in other funds (underlying funds not managed by MAS) which may charge their own performance fee. An estimate has been used to calculate the underlying fund performance fees which are included in 'Other management and administration charges'. With respect to investments in private equity we have assumed the total expense ratio (including any performance fees) charged by the relevant managers is the same as the previous year. Additional information on fees is available from the offer register under Fund Information at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

# MAS Retirement Savings Scheme

## Aggressive Fund



Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10 February 2022

### What is the purpose of this update?

This document tells you how the MAS Retirement Savings Scheme Aggressive Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Medical Funds Management Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

### Description of this fund

The Aggressive Fund invests mainly in growth assets with a small allocation to income assets. The Fund aims to provide higher returns over the long term. It is suitable for investors who are prepared to accept a higher level of investment risk to potentially achieve a higher return.

Total value of the fund	\$86,863,131
Number of investors in the fund	1,396
The date the fund started	1 October 2007

### What are the risks of investing?

Risk indicator for the Aggressive Fund:

Potentially lower  
returns  
Lower risk



Potentially higher  
returns  
Higher risk

The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [sorted.org.nz/tools/investor-kickstarter](https://sorted.org.nz/tools/investor-kickstarter)

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for 5 years to 31 December 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

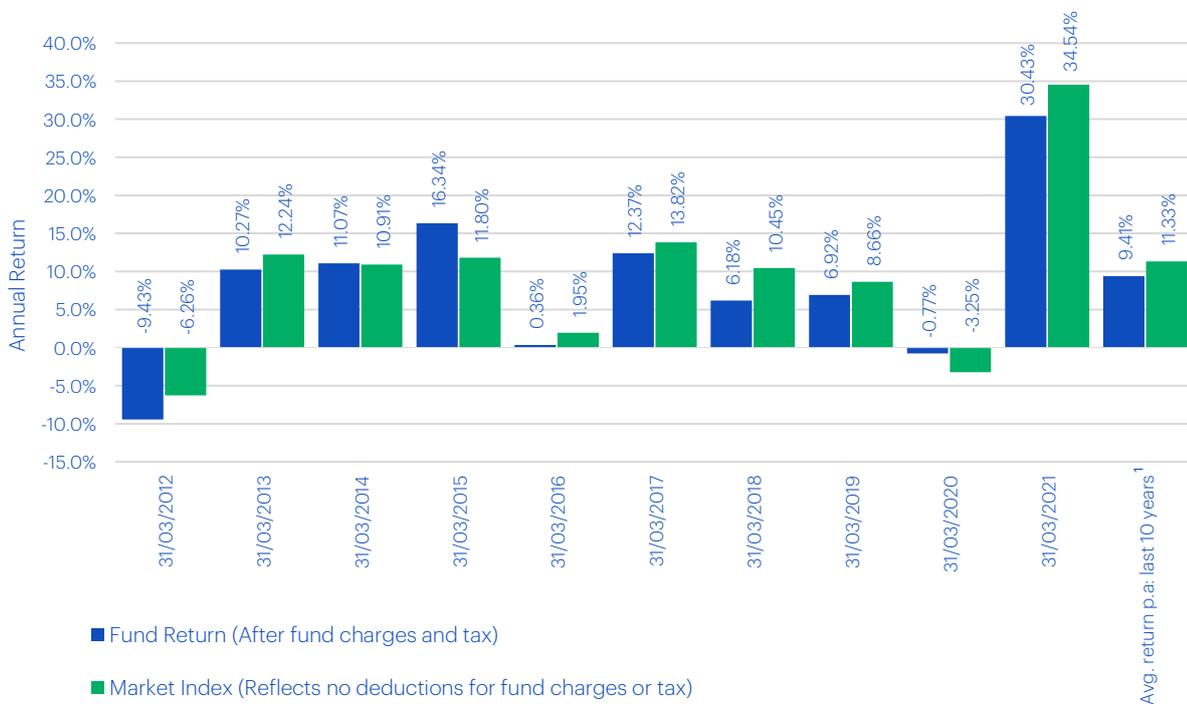
See the Product Disclosure Statement (PDS) for more information about the risks associated with investing in this fund.

## How has the fund performed?

	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	11.45%	14.76%
<b>Annual return</b> (after deductions for charges but before tax)	12.16%	14.87%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	12.91%	12.13%

The market index comprises the benchmark index returns of each of the asset classes weighted by their benchmark asset allocations. Additional information about the market index is available on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

### Annual Return Graph



<sup>1</sup> Please see the Notes section for an explanation of matters that may significantly affect the comparability of returns.

This shows the return after fund charges and tax for each of the last 10 years ending 31 March. The last bar shows the average annual return for the last 10 years, up to 31 December 2021.

**Important:** this does not tell you how the fund will perform in the future.

Returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

## What fees are investors charged?

Investors in the Aggressive Fund are charged fund charges. In the year to 31 March 2021 these were:

	% of net asset value <sup>2</sup>
<b>Total fund charges</b>	<b>1.14%</b>
Which are made up of:	
<b>Total management and administration charges</b>	<b>1.14%</b>
Including:	
Manager's basic fee	1.00%
Other management and administration charges <sup>3</sup>	0.14%
<b>Total performance-based fees</b>	<b>0.00%</b>

	Dollar amount per investor
Other charges	\$0

<sup>2</sup>The estimated annual fund charges include GST as applicable. Fees and charges may not sum to the total fund charges due to rounding.

<sup>3</sup>An estimate has been used to calculate certain underlying fund performance fees. Please see the Notes section for a further explanation.

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds). See the PDS for more information about those fees.

Small differences in fees and charges can have a big impact on your investment over the long term.

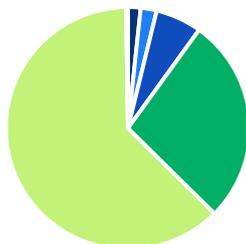
## Example of how this applies to an investor

Emily had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Emily received a return, after fund charges were deducted, of \$1,476 (that is 14.76% of her initial \$10,000). Emily also paid \$0 in other charges. This gives Emily a total return after tax of \$1,476 for the year.

## What does the fund invest in?

This shows the types of assets that the fund invests in.

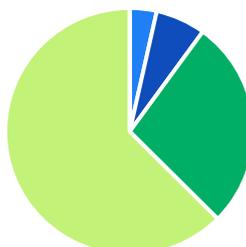
### Actual investment mix



- Cash and cash equivalents 1.68%
- New Zealand fixed interest 2.12%
- International fixed interest 6.11%
- Australasian equities 27.55%
- International equities 62.29%
- Other 0.25%

This shows the types of assets the fund generally intends to invest in.

### Target investment mix



- Cash and cash equivalents 0.00%
- New Zealand fixed interest 3.50%
- International fixed interest 6.50%
- Australasian equities 27.50%
- International equities 62.50%
- Other 0.00%

'Other' is comprised of Alternative Investments. These are private equity investments.

## Top 10 investments

No	Asset name	% of fund net assets	Type	Country	Credit rating (If Applicable)
1	Hunter Global Fixed Interest Fund	6.11%	International fixed interest	NZ	
2	Microsoft Corp	4.03%	International equities	US	
3	Infratil Ltd	2.71%	Australasian equities	NZ	
4	Fisher & Paykel Healthcare Ltd	2.69%	Australasian equities	NZ	
5	Mainfreight Ltd	1.97%	Australasian equities	NZ	
6	Meridian Energy Limited	1.57%	Australasian equities	NZ	
7	Alphabet Inc Class A	1.43%	International equities	US	
8	Fletcher Building Ltd	1.42%	Australasian equities	NZ	
9	Tesla Inc	1.38%	International equities	US	
10	Alphabet Inc Class C	1.37%	International equities	US	

The total value of the above investments as a percentage of the net asset value of the Aggressive Fund is 24.68%.

## Currency hedging

Currency hedging can apply to some of the asset classes the fund invests in. As at 31 December 2021, the actual hedging is as follows:

Asset class	Benchmark hedging rate	Current hedging level
International Equities	Benchmark 69% hedged (Range 0-138%)	75%
Australasian Equities	Benchmark 138% hedged (Range 0-138%)	32%
International Fixed Interest	Benchmark 100% hedged	100%

The 138% upper range reflects an approximate after-tax position of 100% (assuming a PIR of 28%), better aligning the hedge position with the underlying assets, which have a different tax treatment. Please refer to the Statement of Investment Policy and Objectives on the scheme register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz) for more information.

## Key personnel

The 5 persons who have the most impact on investment decisions for the Aggressive Fund as at 31 December 2021.

Name	Current position	Time in current position	Previous or other position	Time in previous or other position
Bruce Robertson	Portfolio Manager, JBWere	24 Years, 9 Months	Partner, Goldman Sachs JBWere	7 Years, 1 Month
Tom Phillips	Portfolio Manager, JBWere	17 Years, 4 Months	Corporate lawyer, Bell Gully	7 Years, 8 Months
Earl White	Executive Advisor, Bancorp Treasury	18 Years, 11 Months	Treasurer, BNP Paribas	8 Years, 7 Months
Phil Borkin	Senior Strategist, JBWere	3 Years, 0 Months	Senior Macro Strategist, ANZ	4 Years, 0 Months
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## Further information

You can also obtain this information, the PDS for the MAS Retirement Savings Scheme, and some additional information from the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Notes

**In respect of footnote 1 on the last bar (the average return per annum for the last 10 years) on the 'How has the fund performed?' graph:**

For the years ending 31 December 2012 and 31 December 2013 annual return information was not available and returns for those years have been calculated based on return information for the period ending 31 March. As such, the calculation of the 10 year average return stated may be less reliable than a return calculated for the period ending 31 December for the last 10 years.

From 23 June 2021, the investment mix allocations for the Aggressive Fund were changed as follows:

Asset Class	Target Mix From 23 June 2021	Target Mix to 22 June 2021
New Zealand Fixed Interest	3.5%	5.0%
International Fixed Interest	6.5%	10.0%
<b>Income Assets</b>	<b>10%</b>	<b>15%</b>
Australasian Equities	27.5%	26.0%
International Equities	62.5%	59.0%
<b>Growth Assets</b>	<b>90%</b>	<b>85%</b>

These changes may significantly affect the future comparability of returns over the periods in the bar graph under the heading 'How has the fund performed?' More information about the changes can be found on our website [mas.co.nz/investmentchanges](https://mas.co.nz/investmentchanges)

**In respect of footnote 3 under the 'What fees are investors charged?' table:**

The Aggressive Fund may invest in other funds (underlying funds not managed by MAS) which may charge their own performance fee. An estimate has been used to calculate the underlying fund performance fees which are included in 'Other management and administration charges'. With respect to investments in private equity we have assumed the total expense ratio (including any performance fees) charged by the relevant managers is the same as the previous year. Additional information on fees is available from the offer register under Fund Information at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

# MAS Retirement Savings Scheme

## Growth Fund



Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10 February 2022

### What is the purpose of this update?

This document tells you how the MAS Retirement Savings Scheme Growth Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Medical Funds Management Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

### Description of this fund

The Growth Fund invests mainly in growth assets with a modest allocation to income assets. The Fund aims to provide strong returns over the long term. It is suitable for investors who are prepared to accept a high level of investment risk to potentially achieve a high return.

Total value of the fund	\$571,971,273
Number of investors in the fund	3,846
The date the fund started	1 April 1994

### What are the risks of investing?

Risk indicator for the Growth Fund:

Potentially lower returns

Lower risk



Potentially higher returns

Higher risk

The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [sorted.org.nz/tools/investor-kickstarter](https://sorted.org.nz/tools/investor-kickstarter)

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for 5 years to 31 December 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

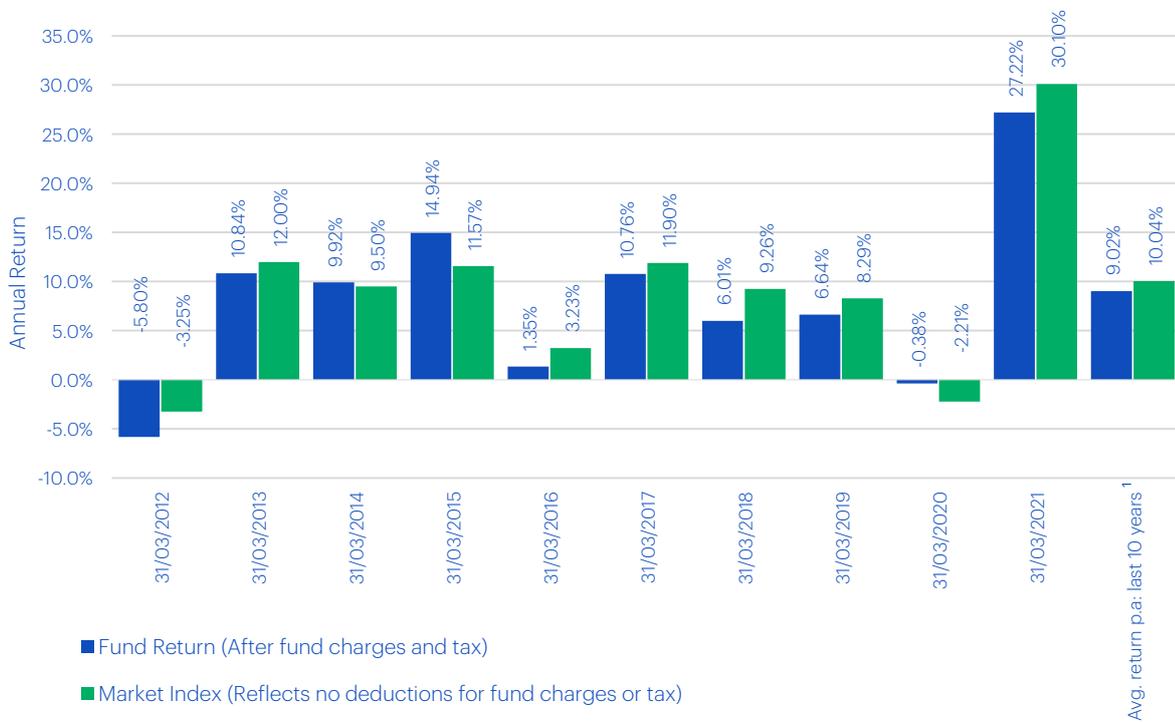
See the Product Disclosure Statement (PDS) for more information about the risks associated with investing in this fund.

# How has the fund performed?

	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	10.52%	12.94%
<b>Annual return</b> (after deductions for charges but before tax)	11.25%	12.96%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	11.63%	10.39%

The market index comprises the benchmark index returns of each of the asset classes weighted by their benchmark asset allocations. Additional information about the market index is available on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Annual Return Graph



<sup>1</sup> Please see the Notes section for an explanation of matters that may significantly affect the comparability of returns.

This shows the return after fund charges and tax for each of the last 10 years ending 31 March. The last bar shows the average annual return for the last 10 years, up to 31 December 2021.

**Important:** this does not tell you how the fund will perform in the future.

Returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

## What fees are investors charged?

Investors in the Growth Fund are charged fund charges. In the year to 31 March 2021 these were:

	% of net asset value <sup>2</sup>
<b>Total fund charges</b>	<b>1.16%</b>
Which are made up of:	
<b>Total management and administration charges</b>	<b>1.16%</b>
Including:	
Manager's basic fee	1.00%
Other management and administration charges <sup>3</sup>	0.16%
<b>Total performance-based fees</b>	<b>0.00%</b>
	Dollar amount per investor
Other charges	\$0

<sup>2</sup> The estimated annual fund charges include GST as applicable. Fees and charges may not sum to the total fund charges due to rounding.

<sup>3</sup> An estimate has been used to calculate certain underlying fund performance fees. Please see the Notes section for a further explanation.

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds). See the PDS for more information about those fees.

Small differences in fees and charges can have a big impact on your investment over the long term.

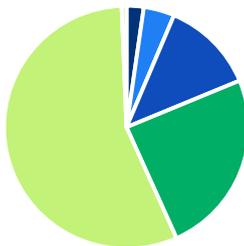
## Example of how this applies to an investor

Emily had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Emily received a return, after fund charges were deducted, of \$1,294 (that is 12.94% of her initial \$10,000). Emily also paid \$0 in other charges. This gives Emily a total return after tax of \$1,294 for the year.

## What does the fund invest in?

This shows the types of assets that the fund invests in.

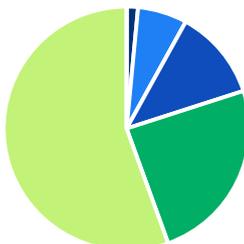
### Actual investment mix



- Cash and cash equivalents 2.27%
- New Zealand fixed interest 4.08%
- International fixed interest 12.38%
- Australasian equities 24.57%
- International equities 56.06%
- Other 0.64%

This shows the types of assets the fund generally intends to invest in.

### Target investment mix



- Cash and cash equivalents 1.50%
- New Zealand fixed interest 6.50%
- International fixed interest 12.00%
- Australasian equities 24.50%
- International equities 55.50%
- Other 0.00%

'Other' is comprised of Alternative Investments. These are private equity investments.

## Top 10 investments

No	Asset name	% of fund net assets	Type	Country	Credit rating (If Applicable)
1	Hunter Global Fixed Interest Fund	12.38%	International fixed interest	NZ	
2	Microsoft Corp	3.63%	International equities	US	
3	Infratil Ltd	2.41%	Australasian equities	NZ	
4	Fisher & Paykel Healthcare Ltd	2.40%	Australasian equities	NZ	
5	Mainfreight Ltd	1.75%	Australasian equities	NZ	
6	Meridian Energy Limited	1.40%	Australasian equities	NZ	
7	JBWere Premium Custody Call Account - NZD	1.35%	Cash and cash equivalents	NZ	
8	Alphabet Inc Class A	1.29%	International equities	US	
9	Fletcher Building Ltd	1.27%	Australasian equities	NZ	
10	Tesla Inc	1.24%	International equities	US	

The total value of the above investments as a percentage of the net asset value of the Growth Fund is 29.12%.

## Currency hedging

Currency hedging can apply to some of the asset classes the fund invests in. As at 31 December 2021, the actual hedging is as follows:

Asset class	Benchmark hedging rate	Current hedging level
International Equities	Benchmark 69% hedged (Range 0-138%)	75%
Australasian Equities	Benchmark 138% hedged (Range 0-138%)	32%
International Fixed Interest	Benchmark 100% hedged	100%

The 138% upper range reflects an approximate after-tax position of 100% (assuming a PIR of 28%), better aligning the hedge position with the underlying assets, which have a different tax treatment. Please refer to the Statement of Investment Policy and Objectives on the scheme register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz) for more information.

## Key personnel

The 5 persons who have the most impact on investment decisions for the Growth Fund as at 31 December 2021.

Name	Current position	Time in current position	Previous or other position	Time in previous or other position
Bruce Robertson	Portfolio Manager, JBWere	24 Years, 9 Months	Partner, Goldman Sachs JBWere	7 Years, 1 Month
Tom Phillips	Portfolio Manager, JBWere	17 Years, 4 Months	Corporate lawyer, Bell Gully	7 Years, 8 Months
Earl White	Executive Advisor, Bancorp Treasury	18 Years, 11 Months	Treasurer, BNP Paribas	8 Years, 7 Months
Phil Borkin	Senior Strategist, JBWere	3 Years, 0 Months	Senior Macro Strategist, ANZ	4 Years, 0 Months
Hayden Griffiths	Head of Asset Allocation, JBWere	25 Years, 8 Months	Analyst, BZW	2 Years, 5 Months

## Further information

You can also obtain this information, the PDS for the MAS Retirement Savings Scheme, and some additional information from the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Notes

**In respect of footnote 1 on the last bar (the average return per annum for the last 10 years) on the 'How has the fund performed?' graph:**

For the years ending 31 December 2012 and 31 December 2013 annual return information was not available and returns for those years have been calculated based on return information for the period ending 31 March. As such, the calculation of the 10 year average return stated may be less reliable than a return calculated for the period ending 31 December for the last 10 years.

From 1 December 2018 the growth asset target mix increased by 5%. See the 31 March 2019 fund update for more information, available on [mas.co.nz/retirement-savings-documents](https://mas.co.nz/retirement-savings-documents) and on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

From 23 June 2021, the investment mix allocations for the Growth Fund were changed as follows:

Asset Class	Target Mix From 23 June 2021	Target Mix to 22 June 2021
Cash & Cash Equivalents	1.5%	2.0%
New Zealand Fixed Interest	6.5%	8.0%
International Fixed Interest	12.0%	15.0%
<b>Income Assets</b>	<b>20%</b>	<b>25%</b>
Australasian Equities	24.5%	23.0%
International Equities	55.5%	52.0%
<b>Growth Assets</b>	<b>80%</b>	<b>75%</b>

These changes may significantly affect the future comparability of returns over the periods in the bar graph under the heading 'How has the fund performed?' More information about the changes can be found on our website [mas.co.nz/investmentchanges](https://mas.co.nz/investmentchanges)

**In respect of footnote 3 under the 'What fees are investors charged?' table:**

The Growth Fund may invest in other funds (underlying funds not managed by MAS) which may charge their own performance fee. An estimate has been used to calculate the underlying fund performance fees which are included in 'Other management and administration charges'. With respect to investments in private equity we have assumed the total expense ratio (including any performance fees) charged by the relevant managers is the same as the previous year. Additional information on fees is available from the offer register under Fund Information at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

# MAS Retirement Savings Scheme

## Balanced Fund



Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10 February 2022

### What is the purpose of this update?

This document tells you how the MAS Retirement Savings Scheme Balanced Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Medical Funds Management Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

### Description of this fund

The Balanced Fund invests mainly in growth assets with a moderate allocation to income assets. The Fund aims to provide a medium level of return over the medium to long term. It is suitable for investors who are prepared to accept a medium level of investment risk to potentially achieve a medium return.

Total value of the fund	\$247,203,212
Number of investors in the fund	1,987
The date the fund started	1 October 2007

### What are the risks of investing?

Risk indicator for the Balanced Fund:

Potentially lower returns

Lower risk



Potentially higher returns

Higher risk

The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [sorted.org.nz/tools/investor-kickstarter](https://sorted.org.nz/tools/investor-kickstarter)

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for 5 years to 31 December 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

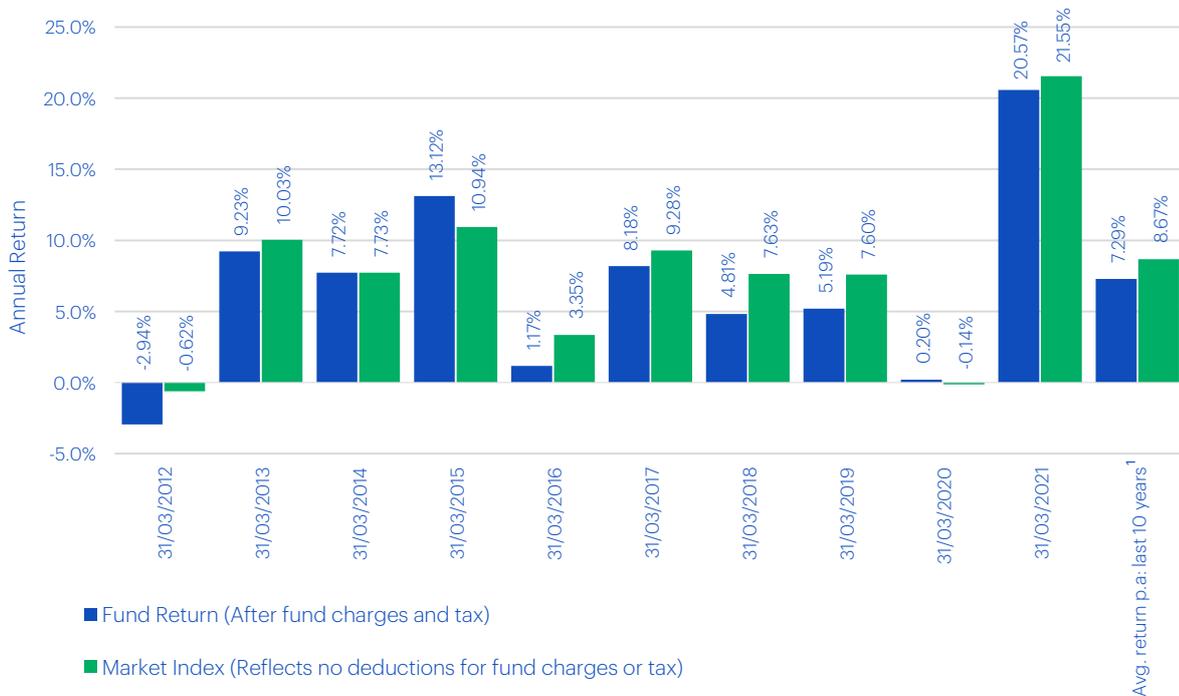
See the Product Disclosure Statement (PDS) for more information about the risks associated with investing in this fund.

## How has the fund performed?

	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	8.15%	9.21%
<b>Annual return</b> (after deductions for charges but before tax)	8.92%	9.11%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	9.36%	6.83%

The market index comprises the benchmark index returns of each of the asset classes weighted by their benchmark asset allocations. Additional information about the market index is available on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

### Annual Return Graph



<sup>1</sup> Please see the Notes section for an explanation of matters that may significantly affect the comparability of returns.

This shows the return after fund charges and tax for each of the last 10 years ending 31 March. The last bar shows the average annual return for the last 10 years, up to 31 December 2021.

**Important:** this does not tell you how the fund will perform in the future.

Returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

# What fees are investors charged?

Investors in the Balanced Fund are charged fund charges. In the year to 31 March 2021 these were:

	% of net asset value <sup>2</sup>
<b>Total fund charges</b>	<b>1.16%</b>
Which are made up of:	
<b>Total management and administration charges</b>	<b>1.16%</b>
Including:	
Manager's basic fee <sup>3</sup>	1.00%
Other management and administration charges	0.16%
<b>Total performance-based fees</b>	<b>0.00%</b>
<b>Dollar amount per investor</b>	
Other charges	\$0

<sup>2</sup>The annual fund charges include GST as applicable. Fees and charges may not sum to the total fund charges due to rounding.

<sup>3</sup>From 23 June 2021 the manager's basic fee was reduced from 1.00% to 0.95%. You can find more information about the fees and charges in the Product Disclosure Statement (PDS).

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds). See the PDS for more information about those fees.

Small differences in fees and charges can have a big impact on your investment over the long term.

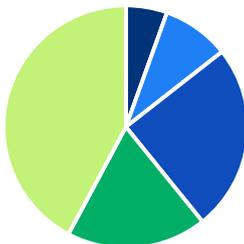
## Example of how this applies to an investor

Emily had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Emily received a return, after fund charges were deducted, of \$921 (that is 9.21% of her initial \$10,000). Emily also paid \$0 in other charges. This gives Emily a total return after tax of \$921 for the year.

## What does the fund invest in?

This shows the types of assets that the fund invests in.

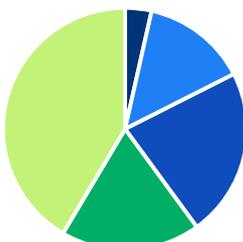
### Actual investment mix



- Cash and cash equivalents 5.46%
- New Zealand fixed interest 8.92%
- International fixed interest 24.85%
- Australasian equities 18.56%
- International equities 42.21%

This shows the types of assets the fund generally intends to invest in.

### Target investment mix



- Cash and cash equivalents 3.50%
- New Zealand fixed interest 14.00%
- International fixed interest 22.50%
- Australasian equities 18.50%
- International equities 41.50%

## Top 10 investments

No	Asset name	% of fund net assets	Type	Country	Credit rating (If Applicable)
1	Hunter Global Fixed Interest Fund	24.85%	International fixed interest	NZ	
2	Microsoft Corp	2.73%	International equities	US	
3	NZ Govt 1.5% 15/05/2031	2.53%	New Zealand fixed interest	NZ	AAA
4	JBWere Premium Custody Call Account - NZD	2.06%	Cash and cash equivalents	NZ	
5	Infratil Ltd	1.82%	Australasian equities	NZ	
6	Fisher & Paykel Healthcare Ltd	1.81%	Australasian equities	NZ	
7	Mainfreight Ltd	1.33%	Australasian equities	NZ	
8	Meridian Energy Limited	1.06%	Australasian equities	NZ	
9	Alphabet Inc Class A	0.97%	International equities	US	
10	Fletcher Building Ltd	0.96%	Australasian equities	NZ	

The total value of the above investments as a percentage of the net asset value of the Balanced Fund is 40.12%.

## Currency hedging

Currency hedging can apply to some of the asset classes the fund invests in. As at 31 December 2021, the actual hedging is as follows:

Asset class	Benchmark hedging rate	Current hedging level
International Equities	Benchmark 69% hedged (Range 0-138%)	75%
Australasian Equities	Benchmark 138% hedged (Range 0-138%)	32%
International Fixed Interest	Benchmark 100% hedged	100%

The 138% upper range reflects an approximate after-tax position of 100% (assuming a PIR of 28%), better aligning the hedge position with the underlying assets, which have a different tax treatment. Please refer to the Statement of Investment Policy and Objectives on the scheme register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz) for more information.

## Key personnel

The 5 persons who have the most impact on investment decisions for the Balanced Fund as at 31 December 2021.

Name	Current position	Time in current position	Previous or other position	Time in previous or other position
Bruce Robertson	Portfolio Manager, JBWere	24 Years, 9 Months	Partner, Goldman Sachs JBWere	7 Years, 1 Month
Tom Phillips	Portfolio Manager, JBWere	17 Years, 4 Months	Corporate lawyer, Bell Gully	7 Years, 8 Months
Earl White	Executive Advisor, Bancorp Treasury	18 Years, 11 Months	Treasurer, BNP Paribas	8 Years, 7 Months
Phil Borkin	Senior Strategist, JBWere	3 Years, 0 Months	Senior Macro Strategist, ANZ	4 Years, 0 Months
Hayden Griffiths	Head of Asset Allocation, JBWere	25 Years, 8 Months	Analyst, BZW	2 Years, 5 Months

## Further information

You can also obtain this information, the PDS for the MAS Retirement Savings Scheme, and some additional information from the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Notes

**In respect of footnote 1 on the last bar (the average return per annum for the last 10 years) on the 'How has the fund performed?' graph:**

For the years ending 31 December 2012 and 31 December 2013 annual return information was not available and returns for those years have been calculated based on return information for the period ending 31 March. As such, the calculation of the 10 year average return stated may be less reliable than a return calculated for the period ending 31 December for the last 10 years.

From 1 December 2018 the growth asset target mix increased by 5%. See the 31 March 2019 fund update for more information, available on [mas.co.nz/retirement-savings-documents](https://mas.co.nz/retirement-savings-documents) and on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

From 23 June 2021, the investment mix allocations for the Balanced Fund were changed as follows:

Asset Class	Target Mix	Target Mix
	From 23 June 2021	to 22 June 2021
Cash & Cash Equivalents	3.5%	4.0%
New Zealand Fixed Interest	14.0%	16.0%
International Fixed Interest	22.5%	25.0%
<b>Income Assets</b>	<b>40%</b>	<b>45%</b>
Australasian Equities	18.5%	17.0%
International Equities	41.5%	38.0%
<b>Growth Assets</b>	<b>60%</b>	<b>55%</b>

These changes, along with the June 2021 reduction in the Manager's basic fee (as detailed under the heading 'What fees are investors charged?') may significantly affect the comparability of returns over the periods in the bar graph under the heading 'How has the fund performed?' More information about the 2021 changes can be found on our website [mas.co.nz/investmentchanges](https://mas.co.nz/investmentchanges)

# MAS Retirement Savings Scheme

## Moderate Fund



Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10 February 2022

### What is the purpose of this update?

This document tells you how the MAS Retirement Savings Scheme Moderate Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Medical Funds Management Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

### Description of this fund

The Moderate Fund invests mainly in income assets with a moderate allocation to growth assets. The Fund aims to provide moderate returns over the short to medium term. It is suitable for investors who are prepared to accept some investment risk to potentially achieve a moderate return.

Total value of the fund	\$185,067,559
Number of investors in the fund	1,513
The date the fund started	1 April 1994

### What are the risks of investing?

Risk indicator for the Moderate Fund:

Potentially lower returns

Lower risk



Potentially higher returns

Higher risk

The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [sorted.org.nz/tools/investor-kickstarter](https://sorted.org.nz/tools/investor-kickstarter)

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for 5 years to 30 September 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

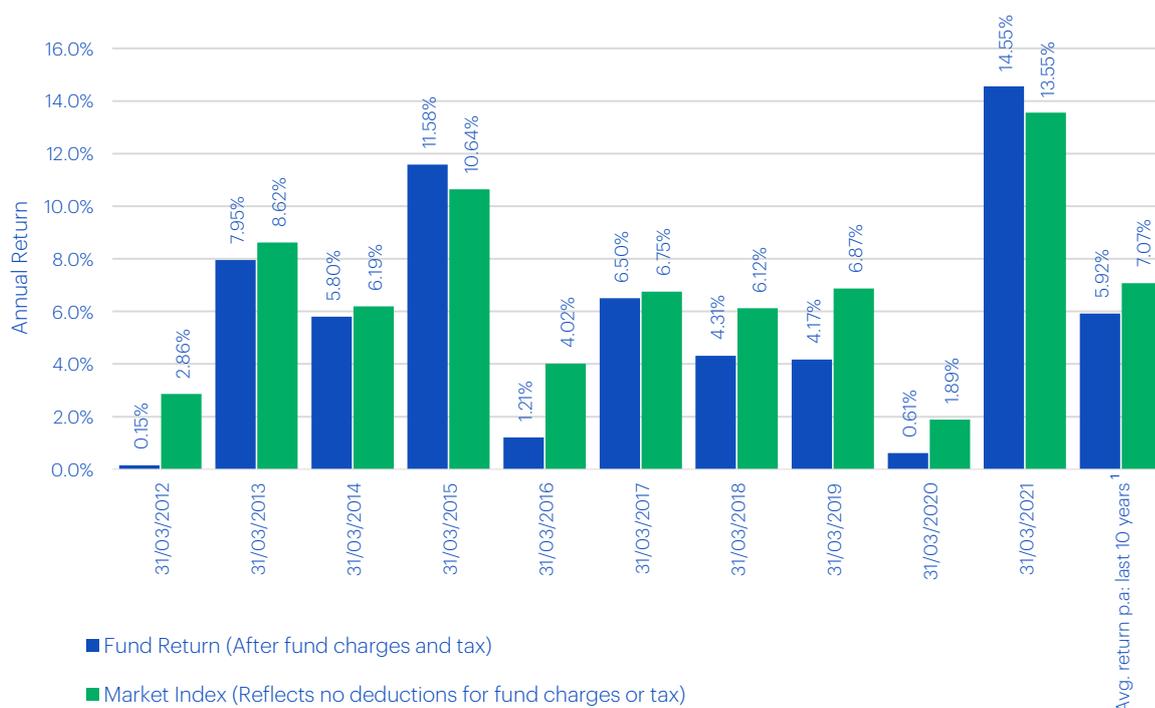
See the Product Disclosure Statement (PDS) for more information about the risks associated with investing in this fund.

## How has the fund performed?

	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	6.12%	5.64%
<b>Annual return</b> (after deductions for charges but before tax)	6.96%	5.42%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	7.13%	3.48%

The market index comprises the benchmark index returns of each of the asset classes weighted by their benchmark asset allocations. Additional information about the market index is available on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

### Annual Return Graph



<sup>1</sup> Please see the Notes section for an explanation of matters that may significantly affect the comparability of returns.

This shows the return after fund charges and tax for each of the last 10 years ending 31 March. The last bar shows the average annual return for the last 10 years, up to 31 December 2021.

**Important:** this does not tell you how the fund will perform in the future.

Returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

## What fees are investors charged?

Investors in the Moderate Fund are charged fund charges. In the year to 31 March 2021 these were:

	% of net asset value <sup>2</sup>
<b>Total fund charges</b>	<b>1.20%</b>
Which are made up of:	
<b>Total management and administration charges</b>	<b>1.20%</b>
Including:	
Manager's basic fee <sup>3</sup>	1.00%
Other management and administration charges	0.20%
<b>Total performance-based fees</b>	<b>0.00%</b>
<hr/>	
	Dollar amount per investor
Other charges	\$0

<sup>2</sup>The annual fund charges include GST as applicable. Fees and charges may not sum to the total fund charges due to rounding.

<sup>3</sup>From 23 June 2021 the manager's basic fee was reduced from 1.00% to 0.85%. You can find more information about the fees and charges in the Product Disclosure Statement (PDS).

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds). See the PDS for more information about those fees.

Small differences in fees and charges can have a big impact on your investment over the long term.

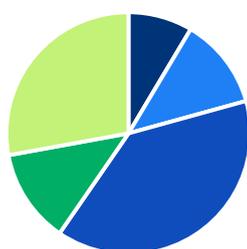
## Example of how this applies to an investor

Emily had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Emily received a return, after fund charges were deducted, of \$564 (that is 5.64% of her initial \$10,000). Emily also paid \$0 in other charges. This gives Emily a total return after tax of \$564 for the year.

## What does the fund invest in?

This shows the types of assets that the fund invests in.

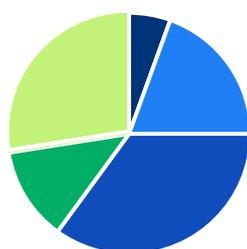
### Actual investment mix



- Cash and cash equivalents 8.52%
- New Zealand fixed interest 12.17%
- International fixed interest 38.87%
- Australasian equities 12.55%
- International equities 27.89%

This shows the types of assets the fund generally intends to invest in.

### Target investment mix



- Cash and cash equivalents 5.50%
- New Zealand fixed interest 19.50%
- International fixed interest 35.00%
- Australasian equities 12.50%
- International equities 27.50%

## Top 10 investments

No	Asset name	% of fund net assets	Type	Country	Credit rating (If Applicable)
1	Hunter Global Fixed Interest Fund	38.87%	International fixed interest	NZ	
2	JBWere Premium Custody Call Account - NZD	3.66%	Cash and cash equivalents	NZ	
3	NZ Govt 1.5% 15/05/2031	3.45%	New Zealand fixed interest	NZ	AAA
4	Microsoft Corp	1.81%	International equities	US	
5	Vector Ltd 4.996% 14/03/24	1.28%	New Zealand fixed interest	NZ	BBB
6	Infratil Ltd	1.23%	Australasian equities	NZ	
7	Fisher & Paykel Healthcare Ltd	1.22%	Australasian equities	NZ	
8	Chorus Ltd 4.35% 06/12/2028 "23	1.22%	New Zealand fixed interest	NZ	BBB
9	IAG 5.15% 15/06/2043	1.05%	New Zealand fixed interest	NZ	BBB
10	Mainfreight Ltd	0.90%	Australasian equities	NZ	

The total value of the above investments as a percentage of the net asset value of the Moderate Fund is 54.69%.

## Currency hedging

Currency hedging can apply to some of the asset classes the fund invests in. As at 31 December 2021, the actual hedging is as follows:

Asset class	Benchmark hedging rate	Current hedging level
International Equities	Benchmark 69% hedged (Range 0-138%)	75%
Australasian Equities	Benchmark 138% hedged (Range 0-138%)	32%
International Fixed Interest	Benchmark 100% hedged	100%

The 138% upper range reflects an approximate after-tax position of 100% (assuming a PIR of 28%), better aligning the hedge position with the underlying assets, which have a different tax treatment. Please refer to the Statement of Investment Policy and Objectives on the scheme register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz) for more information.

## Key personnel

The 5 persons who have the most impact on investment decisions for the Conservative Fund as at 31 December 2021.

Name	Current position	Time in current position	Previous or other position	Time in previous or other position
Bruce Robertson	Portfolio Manager, JBWere	24 Years, 9 Months	Partner, Goldman Sachs JBWere	7 Years, 1 Month
Tom Phillips	Portfolio Manager, JBWere	17 Years, 4 Months	Corporate lawyer, Bell Gully	7 Years, 8 Months
Earl White	Executive Advisor, Bancorp Treasury	18 Years, 11 Months	Treasurer, BNP Paribas	8 Years, 7 Months
Phil Borkin	Senior Strategist, JBWere	3 Years, 0 Months	Senior Macro Strategist, ANZ	4 Years, 0 Months
Hayden Griffiths	Head of Asset Allocation, JBWere	25 Years, 8 Months	Analyst, BZW	2 Years, 5 Months

## Further information

You can also obtain this information, the PDS for the MAS Retirement Savings Scheme, and some additional information from the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Notes

**In respect of footnote 1 on the last bar (the average return per annum for the last 10 years) on the 'How has the fund performed?' graph:**

For the years ending 31 December 2012 and 31 December 2013 annual return information was not available and returns for those years have been calculated based on return information for the period ending 31 March. As such, the calculation of the 10 year average return stated may be less reliable than a return calculated for the period ending 31 December for the last 10 years.

From 1 December 2018 the growth asset target mix increased by 5%. See the 31 March 2019 fund update for more information, available on [mas.co.nz/retirement-savings-documents](https://mas.co.nz/retirement-savings-documents) and on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

From 23 June 2021, the investment mix allocations for the Moderate Fund were changed as follows:

Asset Class	Target Mix From 23 June 2021	Target Mix to 22 June 2021
Cash & Cash Equivalents	5.5%	6.0%
New Zealand Fixed Interest	19.5%	21.0%
International Fixed Interest	35.0%	33.0%
<b>Income Assets</b>	<b>60%</b>	<b>65%</b>
Australasian Equities	12.5%	11.0%
International Equities	27.5%	24.0%
<b>Growth Assets</b>	<b>40%</b>	<b>35%</b>

These changes, along with the June 2021 reduction in the Manager's basic fee (as detailed under the heading 'What fees are investors charged?') may significantly affect the comparability of returns over the periods in the bar graph under the heading 'How has the fund performed?' More information about the 2021 changes can be found on our website [mas.co.nz/investmentchanges](https://mas.co.nz/investmentchanges)

# MAS Retirement Savings Scheme

## Conservative Fund



Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10 February 2022

### What is the purpose of this update?

This document tells you how the MAS Retirement Savings Scheme Conservative Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Medical Funds Management Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

### Description of this fund

The Conservative Fund invests mainly in income assets with a modest allocation to growth assets. The Fund aims to preserve capital while providing a steady return over the short to medium term. It is suitable for investors who want to take a more cautious approach and accept a smaller amount of investment risk to potentially achieve a more stable return.

Total value of the fund	\$43,691,120
Number of investors in the fund	468
The date the fund started	1 October 2007

### What are the risks of investing?

Risk indicator for the Conservative Fund:

Potentially lower returns



Lower risk

Potentially higher returns

Higher risk

The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [sorted.org.nz/tools/investor-kickstarter](https://sorted.org.nz/tools/investor-kickstarter)

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for 5 years to 31 December 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

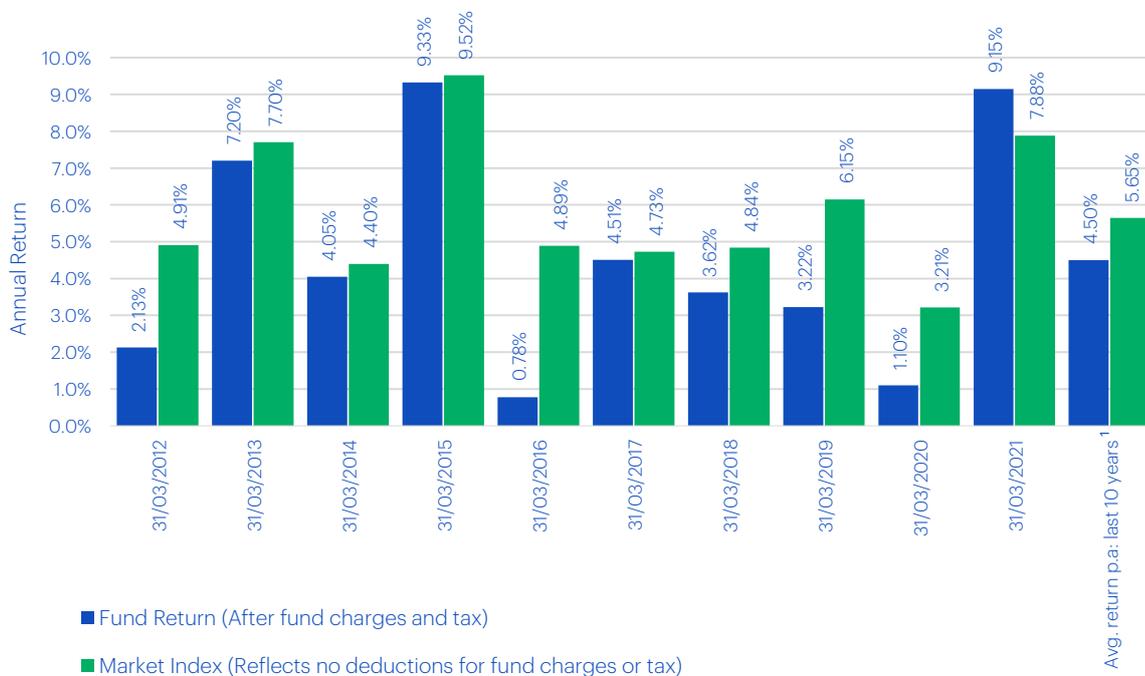
See the Product Disclosure Statement (PDS) for more information about the risks associated with investing in this fund.

## How has the fund performed?

	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	4.20%	2.55%
<b>Annual return</b> (after deductions for charges but before tax)	4.99%	2.26%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	5.31%	0.83%

The market index comprises the benchmark index returns of each of the asset classes weighted by their benchmark asset allocations. Additional information about the market index is available on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

### Annual Return Graph



<sup>1</sup> Please see the Notes section for an explanation of matters that may significantly affect the comparability of returns.

This shows the return after fund charges and tax for each of the last 10 years ending 31 March. The last bar shows the average annual return for the last 10 years, up to 31 December 2021.

**Important:** this does not tell you how the fund will perform in the future.

Returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

## What fees are investors charged?

Investors in the Conservative Fund are charged fund charges. In the year to 31 March 2021 these were:

	% of net asset value <sup>2</sup>
<b>Total fund charges</b>	<b>1.20%</b>
Which are made up of:	
<b>Total management and administration charges</b>	<b>1.20%</b>
Including:	
Manager's basic fee <sup>3</sup>	1.00%
Other management and administration charges	0.20%
<b>Total performance-based fees</b>	<b>0.00%</b>
	Dollar amount per investor
Other charges	\$0

<sup>2</sup>The annual fund charges include GST as applicable. Fees and charges may not sum to the total fund charges due to rounding.

<sup>3</sup>From 23 June 2021 the manager's basic fee was reduced from 1.00% to 0.80%. You can find more information about the fees and charges in the Product Disclosure Statement (PDS).

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds). See the PDS for more information about those fees.

Small differences in fees and charges can have a big impact on your investment over the long term.

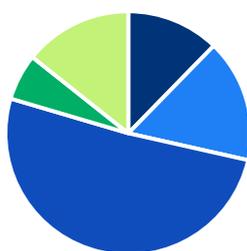
## Example of how this applies to an investor

Emily had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Emily received a return, after fund charges were deducted, of \$255 (that is 2.55% of her initial \$10,000). Emily also paid \$0 in other charges. This gives Emily a total return after tax of \$255 for the year.

## What does the fund invest in?

This shows the types of assets that the fund invests in.

### Actual investment mix



- Cash and cash equivalents 12.25%
- New Zealand fixed interest 16.30%
- International fixed interest 51.04%
- Australasian equities 6.14%
- International equities 14.27%

This shows the types of assets the fund generally intends to invest in.

### Target investment mix



- Cash and cash equivalents 10.00%
- New Zealand fixed interest 25.00%
- International fixed interest 45.00%
- Australasian equities 6.00%
- International equities 14.00%

## Top 10 investments

No	Asset name	% of fund net assets	Type	Country	Credit rating (If Applicable)
1	Hunter Global Fixed Interest Fund	51.04%	International fixed interest	NZ	
2	JBWere Premium Custody Call Account - NZD	7.07%	Cash and cash equivalents	NZ	
3	NZ Govt 1.5% 15/05/2031	4.62%	New Zealand fixed interest	NZ	AAA
4	Vector Ltd 4.996% 14/03/24	1.72%	New Zealand fixed interest	NZ	BBB
5	Chorus Ltd 4.35% 06/12/2028 *23	1.63%	New Zealand fixed interest	NZ	BBB
6	IAG 5.15% 15/06/2043	1.40%	New Zealand fixed interest	NZ	BBB
7	Bank of China (NZ) Ltd 4.09% 17/10/2022	0.99%	New Zealand fixed interest	NZ	A
8	Microsoft Corp	0.92%	International equities	US	
9	NZ Local Govt Funding Agcy 1.5% 20/04/2029	0.86%	New Zealand fixed interest	NZ	AAA
10	Auckland International Airport 3.29% 17/11/2026	0.86%	New Zealand fixed interest	NZ	A-

The total value of the above investments as a percentage of the net asset value of the Conservative Fund is 71.11%.

## Currency hedging

Currency hedging can apply to some of the asset classes the fund invests in. As at 31 December 2021, the actual hedging is as follows:

Asset class	Benchmark hedging rate	Current hedging level
International Equities	Benchmark 69% hedged (Range 0-138%)	75%
Australasian Equities	Benchmark 138% hedged (Range 0-138%)	32%
International Fixed Interest	Benchmark 100% hedged	100%

The 138% upper range reflects an approximate after-tax position of 100% (assuming a PIR of 28%), better aligning the hedge position with the underlying assets, which have a different tax treatment. Please refer to the Statement of Investment Policy and Objectives on the scheme register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz) for more information.

## Key personnel

The 5 persons who have the most impact on investment decisions for the Conservative Fund as at 31 December 2021.

Name	Current position	Time in current position	Previous or other position	Time in previous or other position
Bruce Robertson	Portfolio Manager, JBWere	24 Years, 9 Months	Partner, Goldman Sachs JBWere	7 Years, 1 Month
Tom Phillips	Portfolio Manager, JBWere	17 Years, 4 Months	Corporate lawyer, Bell Gully	7 Years, 8 Months
Earl White	Executive Advisor, Bancorp Treasury	18 Years, 11 Months	Treasurer, BNP Paribas	8 Years, 7 Months
Phil Borkin	Senior Strategist, JBWere	3 Years, 0 Months	Senior Macro Strategist, ANZ	4 Years, 0 Months
Hayden Griffiths	Head of Asset Allocation, JBWere	25 Years, 8 Months	Analyst, BZW	2 Years, 5 Months

## Further information

You can also obtain this information, the PDS for the MAS Retirement Savings Scheme, and some additional information from the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

## Notes

**In respect of footnote 1 on the last bar (the average return per annum for the last 10 years) on the 'How has the fund performed?' graph:**

For the years ending 31 December 2012 and 31 December 2013 annual return information was not available and returns for those years have been calculated based on return information for the period ending 31 March. As such, the calculation of the 10 year average return stated may be less reliable than a return calculated for the period ending 31 December for the last 10 years.

The reduction in the Manager's basic fee in June 2021 (as detailed under the heading 'What fees are investors charged?') may significantly affect the comparability of returns over the periods in the bar graph under the heading 'How has the fund performed?' More information about the 2021 changes can be found on our website [mas.co.nz/investmentchanges](https://mas.co.nz/investmentchanges)

# MAS Retirement Savings Scheme

## Cash Fund



Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10 February 2022

### What is the purpose of this update?

This document tells you how the MAS Retirement Savings Scheme Cash Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Medical Funds Management Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

### Description of this fund

The Cash Fund invests in a range of cash and cash equivalent investments. The Fund aims to achieve stable returns over the short term. It is suitable for investors who require an investment with very low volatility.

Total value of the fund	\$15,488,357
Number of investors in the fund	313
The date the fund started	22 December 2008

### What are the risks of investing?

Risk indicator for the Cash Fund:

Potentially lower returns

Lower risk



Potentially higher returns

Higher risk

The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [sorted.org.nz/tools/investor-kickstarter](https://sorted.org.nz/tools/investor-kickstarter)

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data for 5 years to 31 December 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates.

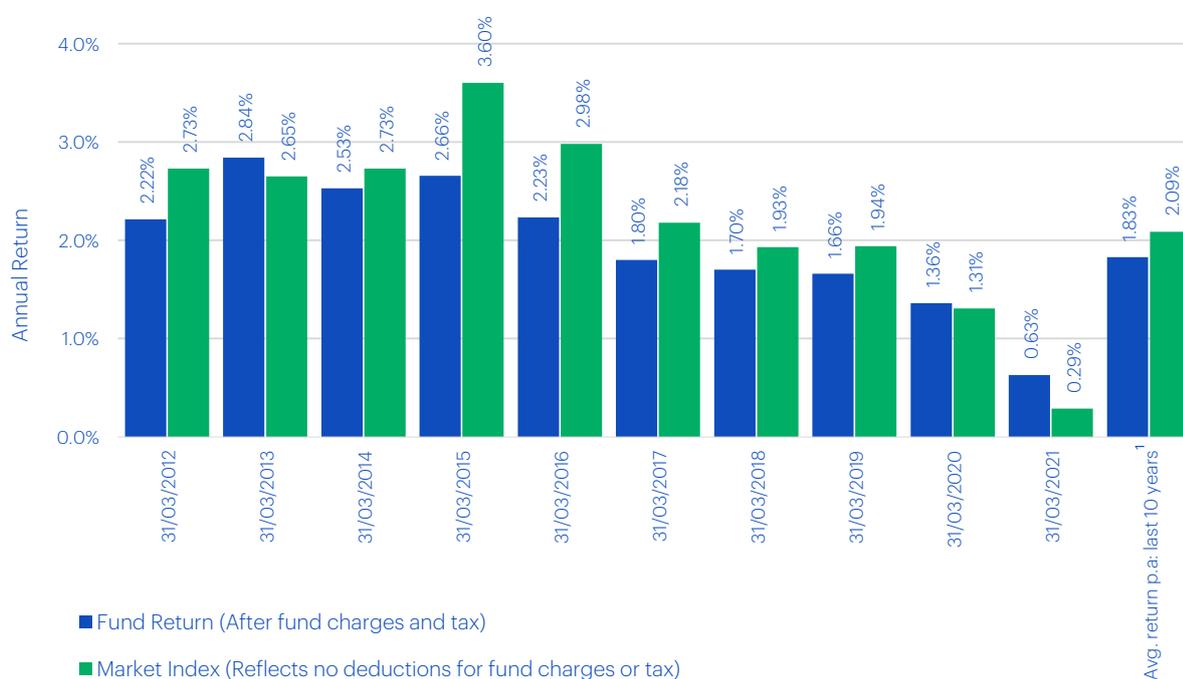
See the Product Disclosure Statement (PDS) for more information about the risks associated with investing in this fund.

## How has the fund performed?

	Average over past 5 years	Past year
<b>Annual return</b> (after deductions for charges and tax)	1.24%	0.49%
<b>Annual return</b> (after deductions for charges but before tax)	1.73%	0.70%
<b>Market index annual return</b> (reflects no deduction for charges and tax)	1.27%	0.46%

The market index is the S&P/NZX Bank Bills 90-Day Index. Additional information about the market index is available on the offer register at [disclose-register.companiesoffice.govt.nz](https://disclose-register.companiesoffice.govt.nz)

### Annual Return Graph



<sup>1</sup> Please see the Notes section for an explanation of matters that may significantly affect the comparability of returns.

This shows the return after fund charges and tax for each of the last 10 years ending 31 March. The last bar shows the average annual return for the last 10 years, up to 31 December 2021.

**Important:** this does not tell you how the fund will perform in the future.

Returns in this update are after tax at the highest prescribed investor rate (PIR) of tax for an individual New Zealand resident. Your tax may be lower.

## What fees are investors charged?

Investors in the Cash Fund are charged fund charges. In the year to 31 March 2021 these were:

	% of net asset value <sup>2</sup>
<b>Total fund charges</b>	<b>0.51%</b>
Which are made up of:	
<b>Total management and administration charges</b>	<b>0.51%</b>
Including:	
Manager's basic fee	0.50%
Other management and administration charges	0.01%
<b>Total performance-based fees</b>	<b>0.00%</b>

	Dollar amount per investor
Other charges	\$0

<sup>2</sup> The annual fund charges include GST as applicable. Fees and charges may not sum to the total fund charges due to rounding.

Investors may also be charged individual action fees for specific actions or decisions (for example, for withdrawing from or switching funds). See the PDS for more information about those fees.

Small differences in fees and charges can have a big impact on your investment over the long term.

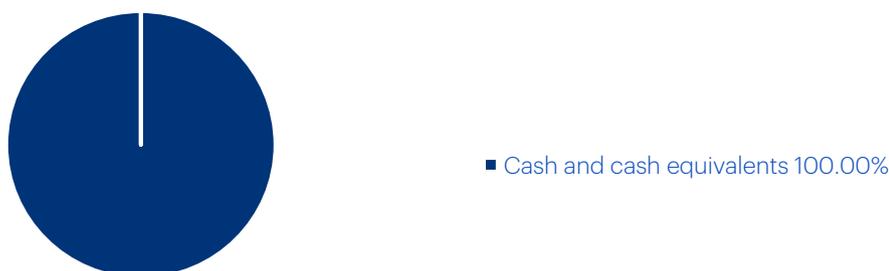
## Example of how this applies to an investor

Emily had \$10,000 in the fund at the start of the year and did not make any further contributions. At the end of the year, Emily received a return, after fund charges were deducted, of \$49 (that is 0.49% of her initial \$10,000). Emily also paid \$0 in other charges. This gives Emily a total return after tax of \$49 for the year.

## What does the fund invest in?

This shows the types of assets that the fund invests in.

### Actual investment mix



This shows the types of assets the fund generally intends to invest in.

### Target investment mix



## Top 10 investments

No	Asset name	% of fund net assets	Type	Country	Credit rating (If Applicable)
1	Westpac On Term @ 1.42% 13/07/22	24.51%	Cash and cash equivalents	NZ	A-1+
2	JBWere Premium Custody Call Account - NZD	20.98%	Cash and cash equivalents	NZ	
3	BNZ On Term @ 1.86% 27/10/22	11.28%	Cash and cash equivalents	NZ	A-1+
4	Westpac On Term @ 1.55% 1/09/22	9.41%	Cash and cash equivalents	NZ	A-1+
5	Kiwibank On Term @ 1.35% 28/02/22	9.41%	Cash and cash equivalents	NZ	A-1
6	China Construction Bank On Term @ 1.7% 4/05/22	9.39%	Cash and cash equivalents	NZ	A-1
7	ANZ On Term @ 1.8% 7/11/22	5.64%	Cash and cash equivalents	NZ	A-1+
8	BNZ On Term @ 2.23% 28/12/22	5.62%	Cash and cash equivalents	NZ	A-1+
9	Kiwibank On Term @ 1.85% 2/08/22	3.76%	Cash and cash equivalents	NZ	A-1

The total value of the above investments as a percentage of the net asset value of the Cash Fund is 100%.

## Key personnel

The 5 persons who have the most impact on investment decisions for the Cash Fund as at 31 December 2021.

Name	Current position	Time in current position	Previous or other position	Time in previous or other position
Bruce Robertson	Portfolio Manager, JBWere	24 Years, 9 Months	Partner, Goldman Sachs JBWere	7 Years, 1 Month
Tom Phillips	Portfolio Manager, JBWere	17 Years, 4 Months	Corporate lawyer, Bell Gully	7 Years, 8 Months
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The RIAA Certification Symbol signifies that a product or service offers an investment style that takes into account certain environmental, social, governance or ethical considerations. The Symbol also signifies that the MAS Retirement Savings Scheme adheres to the strict operational and disclosure practices required under the Responsible Investment Certification Program for the category of Superfund Option. The Certification Symbol is a Registered Trade Mark of the Responsible Investment Association Australasia (RIAA). Detailed information about RIAA, the Symbol and the MAS Retirement Savings Scheme's methodology and performance can be found at [www.responsiblereturns.com.au](http://www.responsiblereturns.com.au), together with details about other responsible investment products certified by RIAA<sup>1</sup>.

<sup>1</sup>The Responsible Investment Certification Program does not constitute financial product advice. Neither the Certification Symbol nor RIAA recommends to any person that any financial product is a suitable investment or that returns are guaranteed. Appropriate professional advice should be sought prior to making an investment decision. RIAA does not hold an Australian Financial Services Licence.

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