## Milliman reports 4 basis points decrease in Hedge Cost Index for VA guarantees in December

Index stands at 118 basis points

Daren Lockwood, PhD, FRM Xiaohong Mo, FSA, MAAA, CFA Adam Schenck, MS, FRM, CFA



The expected hedge cost for a hypothetical GLWB block (see Index Methodology¹) is estimated to be 118 bps as of the end of December 2022, down 4 basis points from the previous month, driven by an increase in long-term interest rates. The Index Methodology provides additional details about the assumptions and methodologies underlying the Milliman Hedge Cost Index.



## **ABOUT THE MILLIMAN HEDGE COST INDEX**

The Milliman Hedge Cost Index™ (MHCI) provides the estimated hedging cost for a hypothetical Guaranteed Lifetime Withdrawal Benefit (GLWB) block, based on product specifications and modeling assumptions as described in the MHCI Methodology Document. The expected hedge costs are calculated using product features for a generic GLWB in line with product designs common in the market. Likewise, the modeling assumptions are based on typical actuarial and behavioral assumptions widely used by VA writers in the marketplace.

Milliman conducts annual reviews of the product features and assumptions underlying the MHCl and will implement updates to the assumptions as and when appropriate to keep pace with market trends and industry practice.

The MHCI is calculated each month based on the risk-adjusted Milliman Guaranteed Index volatility assumption and swap interest rates. It also assumes 50% of investment is in a fixed target volatility option as described in the MHCI Methodology Document. As a result, monthly changes in the index are primarily driven by movements in swap interest rates.

FIGURE 2: EXPECTED HEDGE COST (bps of Guaranteed Withdrawal Base)

DATE	EXPECTED HEDGE COST	CHANGE FROM PRIOR MONTH
12/30/20	229	
1/28/21	221	(8)
2/25/21	194	(27)
3/30/21	176	(18)
4/29/21	182	6
5/27/21	184	2
6/29/21	197	13
7/29/21	204	7
8/30/21	206	2
9/29/21	195	(11)
10/28/21	197	2
11/29/21	201	4
12/30/21	199	(2)
1/28/22	190	(9)
2/25/22	181	(9)
3/30/22	168	(13)
4/28/22	148	(20)
5/27/22	146	(2)
6/29/22	135	(11)
7/28/22	147	12
8/30/22	138	(9)
9/29/22	122	(16)
10/28/22	110	(12)
11/29/22	122	12
12/29/22	118	(4)

To view the Milliman Hedge Cost Index Methodology, go to: milliman.com/mhci-methodology/

©2023 Milliman, Inc. All Rights Reserved. The materials in this document represent the opinion of the authors and are not representative of the views of Milliman, Inc. Milliman does not certify the information, nor does it guarantee the accuracy and completeness of such information. Use of such information is voluntary and should not be relied upon unless an independent review of its accuracy and completeness has been performed. Users of the Hedge Cost Index should consult their own financial, accounting and other advisors to the extent they consider necessary, and make all decisions solely based upon their own judgment and advice from their advisors. Materials may not be reproduced without the express consent of Milliman.

DECEMBER 2022 milliman.com