

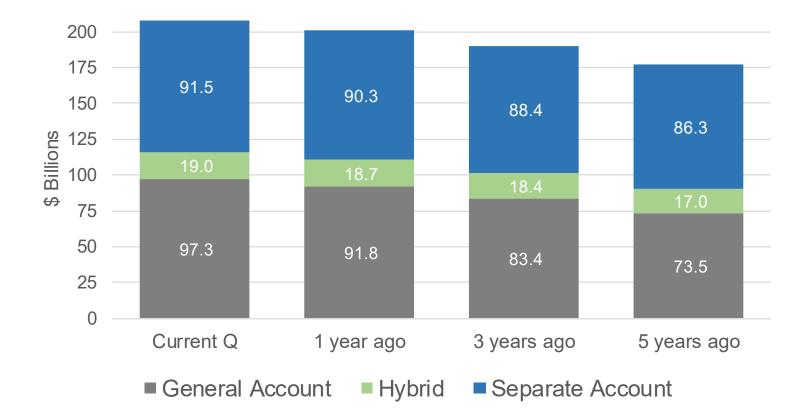
# BOLI INDUSTRY ANALYTICS & ALLOCATIONS

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2020-Q4

# BANK CALL REPORT BOLI BREAKDOWN

#### Banks reported \$207.7 billion of BOLI in 2020-Q4, of which \$90.2 billion was SA.



### STUDY PURPOSE AND BACKGROUND

Our study attempts to track how SA BOLI is allocated over time.

- Gathered SA BOLI AUM data is categorized into portfolio types
  - Capital Efficient / Multi-Sector / Target RW
  - High Yield
  - Credit
  - Core Fixed Income

- MBS / Securitized (ABS / CMBS)
- CLO / Bank Loan
- Short Duration
- Government
- Portfolio types represent full portfolio MVs and do not look through to the holdings sector weights

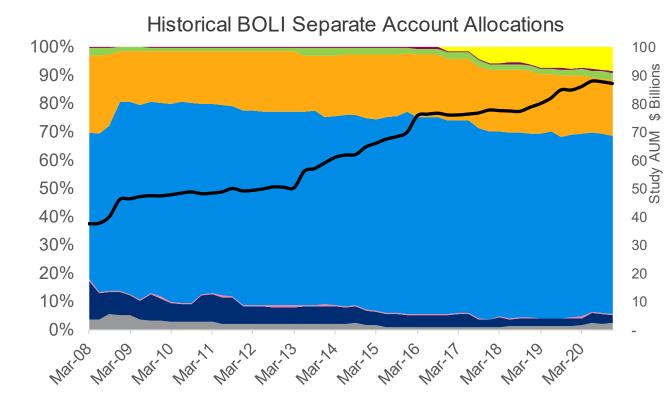
Currently comprises \$87 billion – a massive share of the industry.<sup>1</sup>

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# HISTORICAL BOLI/COLI SEPARATE ACCOUNT ALLOCATIONS

For the last decade, allocations have been dominated by MBS / Securitized portfolios. More recently, capital efficient / multi-sector type portfolios are gaining traction.

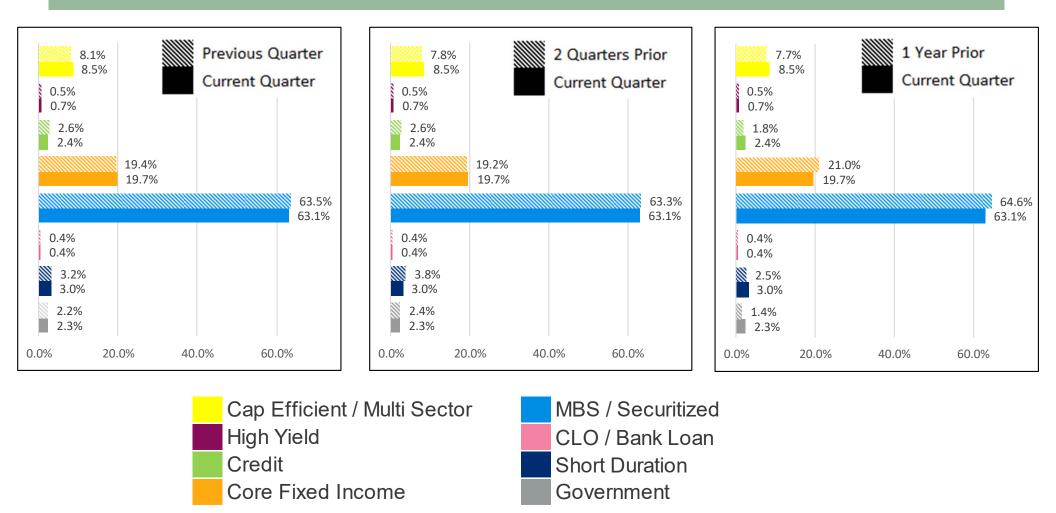
The chart below shows the study's total AUM (black line), and portfolio type breakdown (colored areas) over time.



#### 2020-Q4 Weights Cap Efficient / Multi Sector 8.5% **High Yield** 0.7% 2.4% Credit Core Fixed Income 19.7% 63.1% MBS / Securitized CLO / Bank Loan 0.4% Short Duration 3.0% Government 2.3%

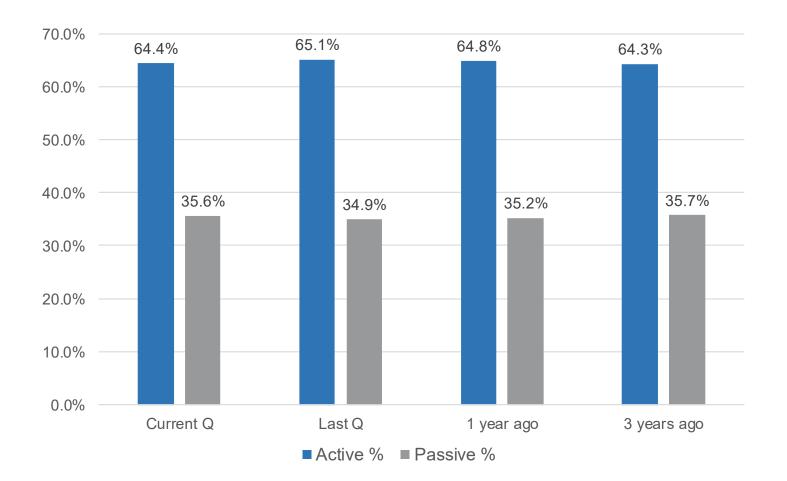
# SEPARATE ACCOUNT ALLOCATION CHANGES

While some changes can be attributed to asset growth, periodic comparisons can indicate potential reallocations.<sup>2</sup>



# BREAKDOWN OF PORTFOLIOS (ACTIVE VS PASSIVE)

#### Of the \$87 billion in the study, 64% of the allocations are actively managed.



### ALLOCATION COMMON BENCHMARK PERFORMANCE

Using common benchmarks for the categories, a proxy for the industry's SA Q4 MV performance is estimated at 0.51%.

	Benchmark	Quarter	1-Year	3-Year	Weights
Cap Efficient / Multi Sector	[Proxied By Blend of Below]	0.85%	5.05%	4.25%	8.51%
High Yield	Barclays High Yield	5.42%	7.51%	6.60%	0.70%
Credit	Barclays US Credit	2.80%	9.37%	6.81%	2.38%
Core Fixed Income	Barclays US Agg	0.67%	7.51%	5.34%	19.66%
MBS / Securitized	Barclays US Securitized	0.31%	4.18%	3.85%	63.05%
CLO / Bank Loan	Palmer CLOSE Index	1.00%	2.67%	3.07%	0.43%
Short Duration	ML 90-Day LIBOR	0.06%	1.08%	1.91%	2.99%
Government	BofA / ML 1-3Y Treasury	0.05%	3.10%	2.73%	2.29%
Industry Proxy Performance	0.51%	4.93%	4.18%		

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# CALL REPORT BOLI ANALYTICS

#### The overall effective RW for SA BOLI was ~40%; however, many banks default to 100%.

 Using the Q4 category weights and proxy portfolios, MBSA estimates a ~28% effective riskweight for SA BOLI in our Study using the Basel III Standardized Approach

	# of Banks	GA BOLI (\$B)	Hybrid BOLI (\$B)	SA BOLI (\$B)	SA Exposure (\$B)	SA RWA (\$B)	Total RWA / Total Exposure	Average Bank RW%	Bank RW% median and mode were 100%
Current Q	3,280	97.3	19.0	91.5	102.4	41.2	40.3%	90.3%	for all periods
Last Q	3,279	95.4	18.9	90.2	98.5	37.3	37.9%	85.0%	·
1 year ago	3,358	91.8	18.7	90.3	103.0	40.6	39.4%	91.7%	
3 years ago	3,610	83.4	18.4	88.4	100.6	40.1	39.8%	90.3%	

#### All Banks

#### \$25B+ Banks

	# of Banks	GA BOLI (\$B)	Hybrid BOLI (\$B)	SA BOLI (\$B)	SA Exposure (\$B)	SA RWA (\$B)	Total RWA / Total Exposure	Average Bank RW%	For larger banks, the mode Bank RW% is
Current Q	87	59.2	12.7	87.4	94.2	34.7	36.8%	57.5%	still 100%, but median
Last Q	87	58.6	12.6	86.1	93.3	33.4	35.8%	55.5%	drops to ~37%
1 year ago	79	54.8	12.1	85.9	92.8	32.6	35.1%	55.3%	
3 years ago	73	48.5	11.4	82.7	88.9	31.6	35.5%	72.6%	

- 1. Regarding industry coverage;
  - Some of the data included in the study may include portfolios that are comingled with corporations or non-banking entities
  - Some of the missing assets may include equity portfolios, which are excluded from this study
- 2. "Reallocations" assumed by significant changes in categorical weights without a parallel change in total assets. May or may not reflect any actual reallocation activity.

\*Call Report Data may include BHC data from Y-9C Reports

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