

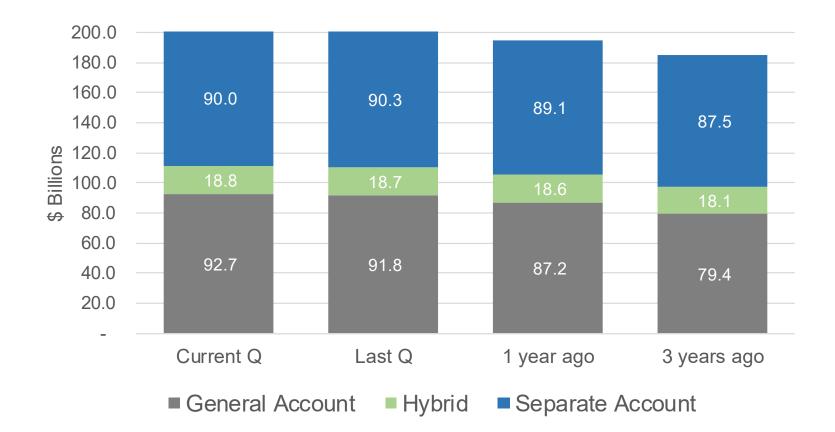
# BOLI INDUSTRY ANALYTICS & ALLOCATIONS

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2020-Q1

# BANK CALL REPORT BOLI BREAKDOWN

#### Banks reported \$201.5 billion of BOLI in 2020-Q1, of which \$90.0 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

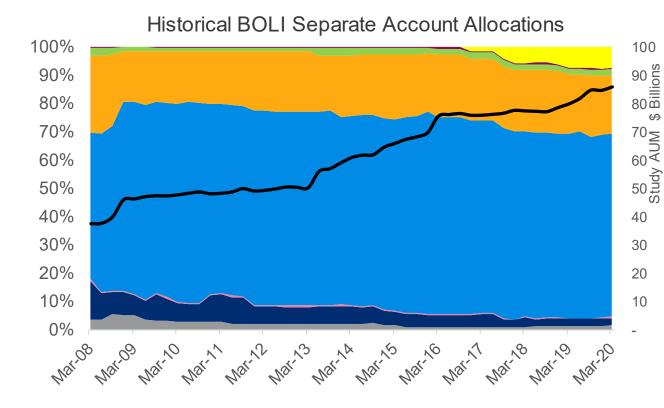
Currently comprises \$86 billion – approximately 96% of the industry.<sup>1</sup>

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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.

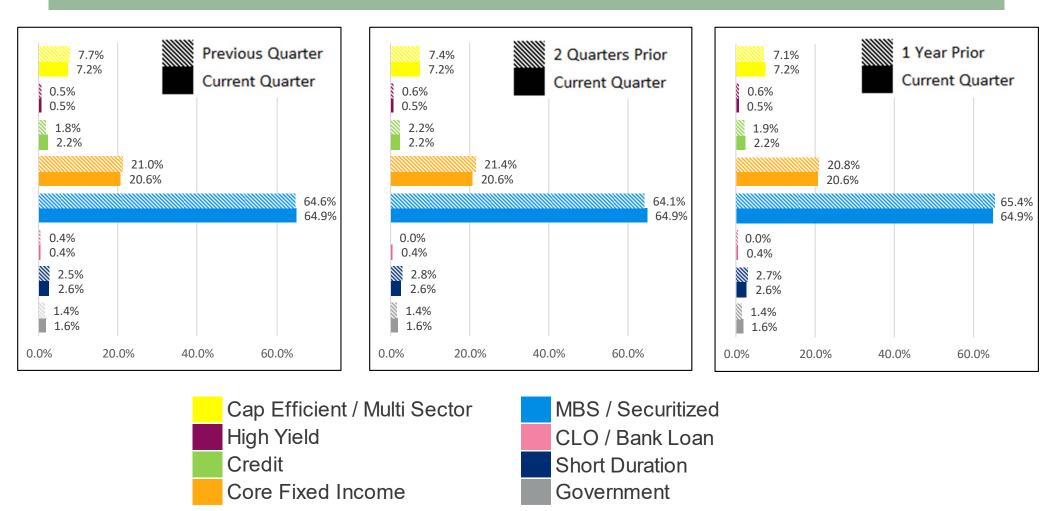


#### 2020-Q1 Weights Cap Efficient / Multi Sector 7.2% **High Yield** 0.5% 2.2% Credit Core Fixed Income 20.6% MBS / Securitized 64.9% CLO / Bank Loan 0.4% Short Duration 2.6% Government 1.6%

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# SEPARATE ACCOUNT ALLOCATION CHANGES

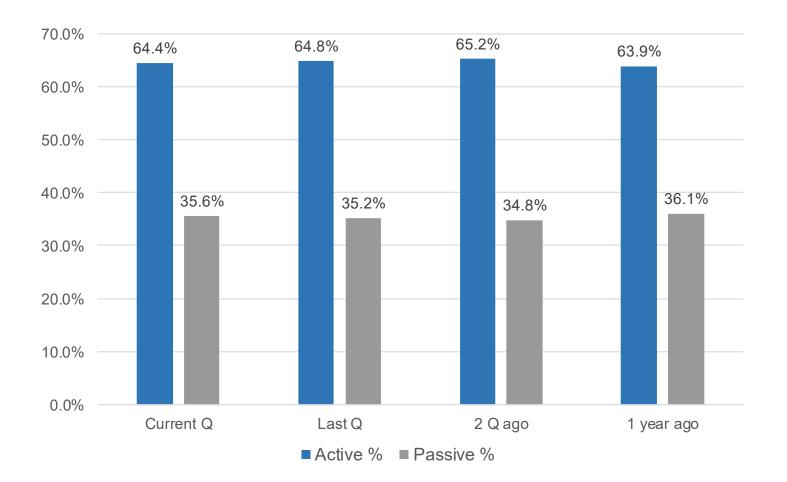
While some changes can be attributed to asset growth, periodic comparisons can indicate potential reallocations.<sup>2</sup>



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# BREAKDOWN OF PORTFOLIOS (ACTIVE VS PASSIVE)

#### Of the \$86 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 Q1 MV performance is estimated at 2.42%.

	Benchmark	Quarter	1-Year	3-Year	Weights
Cap Efficient / Multi Sector	[Proxied By Blend of Below]	0.52%	5.15%	3.53%	7.22%
High Yield	Barclays High Yield	-10.71%	-4.28%	1.63%	0.48%
Credit	Barclays US Credit	-3.15%	5.11%	4.20%	2.17%
Core Fixed Income	Barclays US Agg	3.15%	8.93%	4.82%	20.57%
MBS / Securitized	Barclays US Securitized	2.65%	6.89%	4.02%	64.92%
CLO / Bank Loan	Palmer CLOSE Index	-4.13%	-1.23%	1.51%	0.42%
Short Duration	ML 90-Day LIBOR	0.50%	2.36%	2.01%	2.62%
Government	BofA / ML 1-3Y Treasury	2.81%	5.40%	2.69%	1.60%
Industry Proxy Performance	2.33%	6.91%	4.06%		

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# CALL REPORT BOLI ANALYTICS

#### The overall effective RW for SA BOLI was ~37%; however, many banks default to 100%.

 Using the Q1 category weights and proxy portfolios, MBSA estimates a ~25% 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	3,321	92.7	18.8	90.0	97.9	36.2	36.9%	84.3%	for all periods
Last Q	3,358	91.8	18.7	90.3	103.0	40.6	39.4%	91.7%	· · · · · · · · · · · · · · · · · · ·
2 Q ago	3,386	90.1	18.6	89.1	99.4	37.5	37.7%	86.2%	
1 year ago	3,447	87.2	18.6	89.1	101.4	40.2	39.7%	91.2%	

#### 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	83	55.6	12.3	85.7	92.2	32.2	34.9%	54.4%	still 100%, but median
Last Q	79	54.8	12.1	85.9	92.8	32.6	35.1%	55.3%	drops to ~35%
2 Q ago	78	53.4	11.9	84.6	91.4	31.5	34.5%	53.7%	
1 year ago	77	51.3	11.7	84.3	90.6	31.9	35.2%	55.8%	

# FOOTNOTES / DISCLAIMERS

- 1. The % of industry covered in the study may represent more or less due to various factors;
  - 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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