



2017 Life Reinsurance Survey Results

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Disclaimer

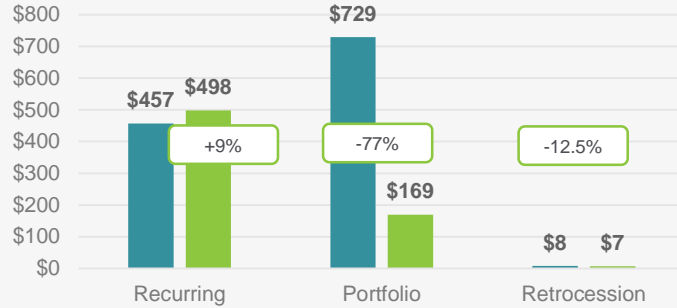
Munich Re prepared this survey on behalf of the Society of Actuaries Reinsurance Section as a service to section members. The contributing companies provide the data in response to the survey. The data is not audited and Munich Re, the Society of Actuaries and the Reinsurance Section take no responsibility for the accuracy of the figures.

2017 Life Reinsurance Survey results

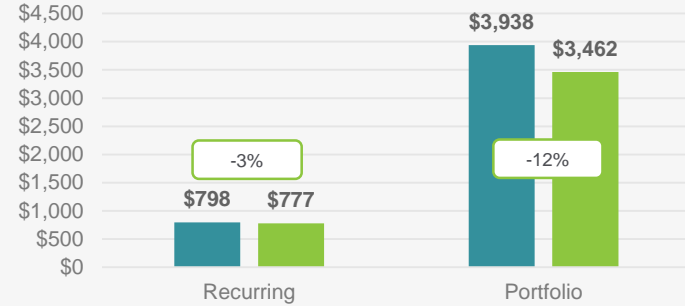
- Who: top U.S. & Canadian reinsurers
- What: individual and group new business (assumed) and in force
- Definitions
 - **Recurring:** issued in same year as reinsured
 - **Portfolio:** issued prior to year reinsured
 - **Retrocession:** reinsurance not directly written by ceding company
- Reinsurance figures for individual life based on amount (NAR) and group life based on premium
- Note: some figures may not add due to rounding

Reinsurance landscape

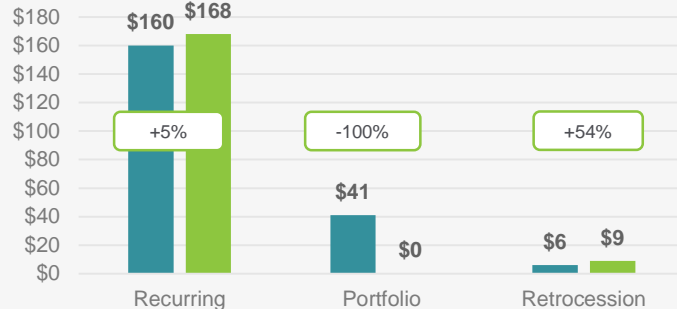
U.S. IL New Business Volumes (\$ Billions)



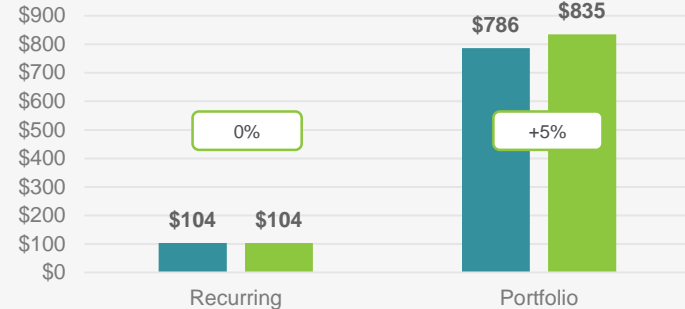
U.S. Group In Force Premium (\$ Millions)



Canada IL New Business Volumes (\$CA Billions)



Canada Group In Force Premium (\$CA Millions)



2016

2017

The background of the slide is a dense, overlapping field of 3D-rendered American flags. Each flag is depicted as a rounded, spherical object, giving it a three-dimensional appearance. The flags are arranged in a way that they seem to be piled together, with some in the foreground and others receding into the background. The colors are vibrant, with the red and white stripes and the blue field with white stars being clearly visible. The lighting creates soft shadows and highlights, emphasizing the rounded shape of the flags.

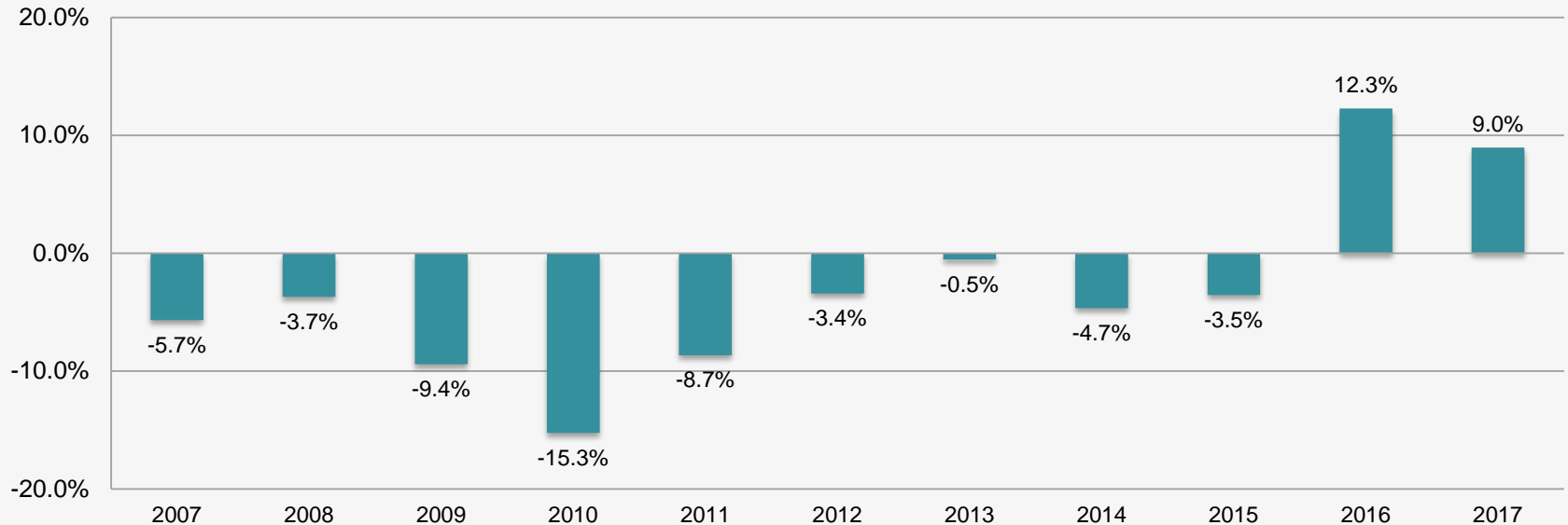
U.S. individual life new business

A brief history...

U.S. individual life recurring new business

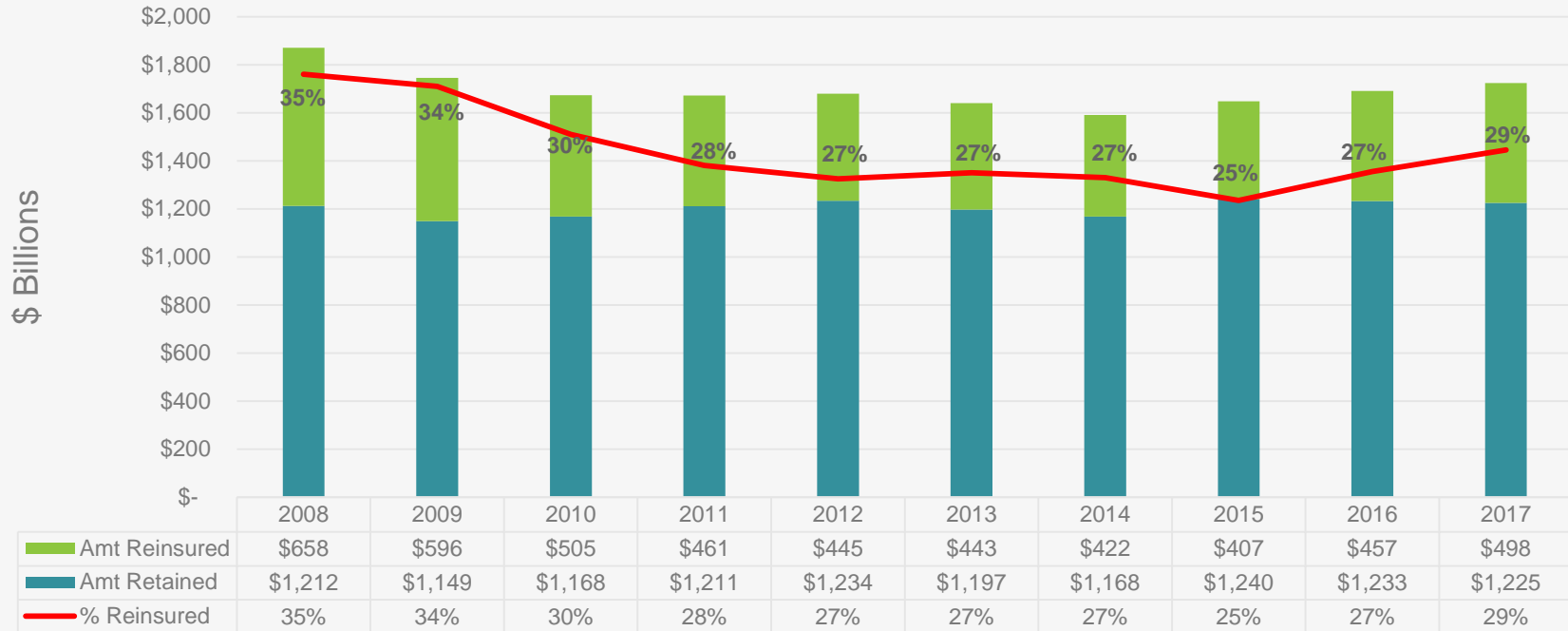
	1986	1995	2005	2017
# of Reinsurers	30	25	15	9
Recurring NB	\$156B	\$268B	\$844B	\$498B
Top Reinsurers	<ul style="list-style-type: none"> Transamerica Occidental (\$28B) Lincoln National Life (\$17B) General Re (\$16B) 	<ul style="list-style-type: none"> Transamerica Re (\$41B) Lincoln National Life (\$34B) RGA Re (\$24B) 	<ul style="list-style-type: none"> RGA Re (\$183B) Scottish Re (\$131B) Transamerica Re (\$130B) 	<ul style="list-style-type: none"> SCOR (\$105B) Swiss Re (\$96B) Munich Re (\$92B)

Annual Percentage Change in U.S. Recurring new Business



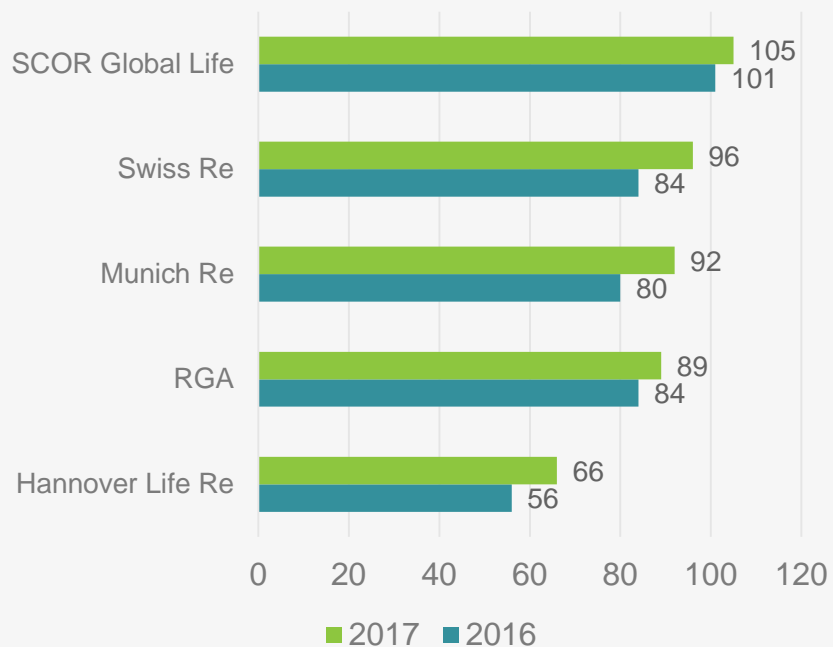
U.S. recurring cession rate

U.S. Individual Life Insurance Sales (Face Amount)

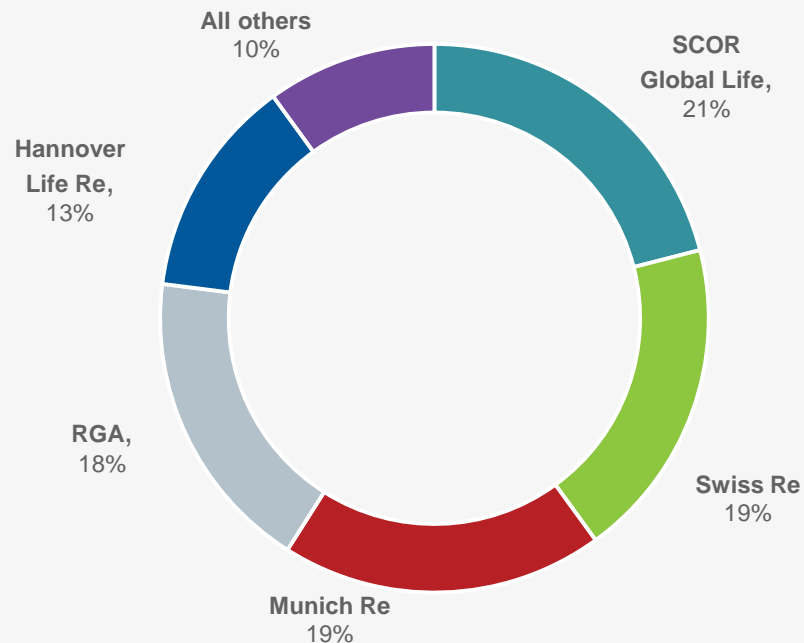


U.S. recurring by company – top five companies

Recurring Business (\$ billions)

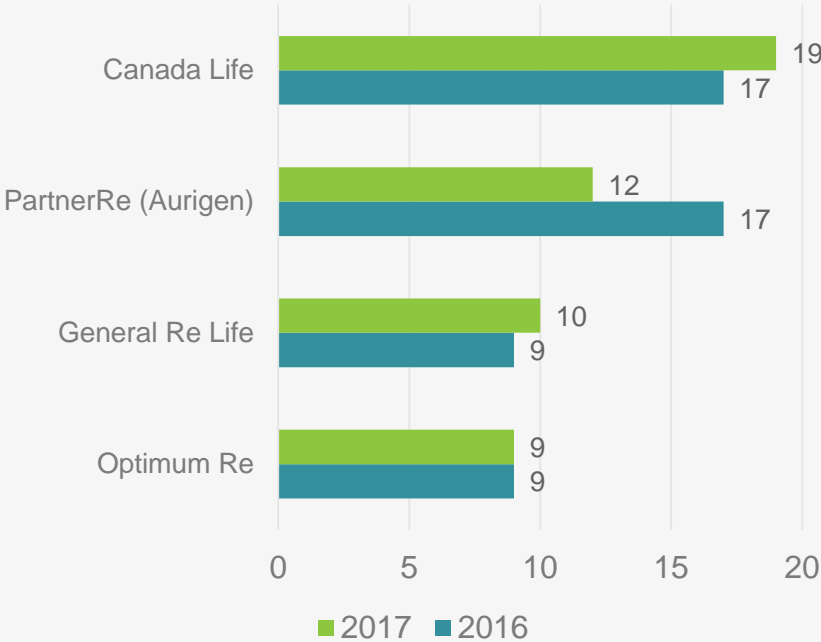


2017 Market Share

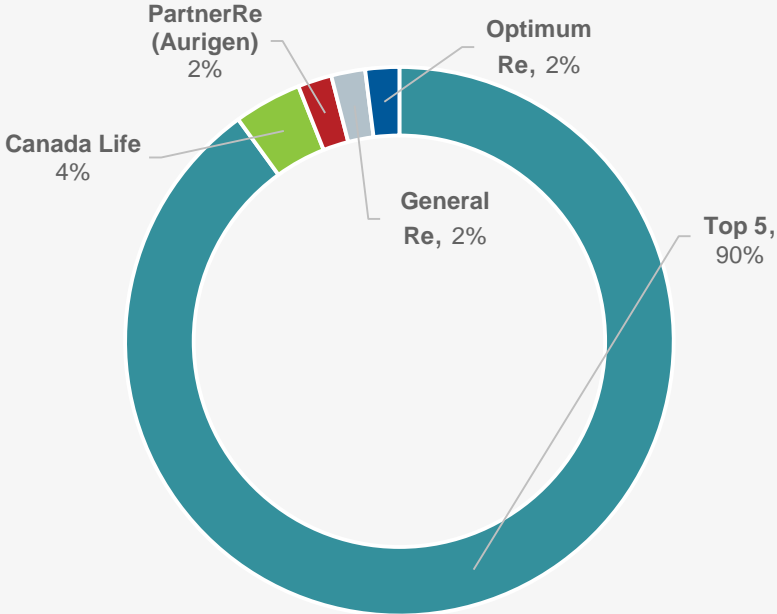


U.S. recurring by company – next four companies

Recurring Business (\$ billions)



2017 Market Share



U.S. recurring by company (\$ billions)

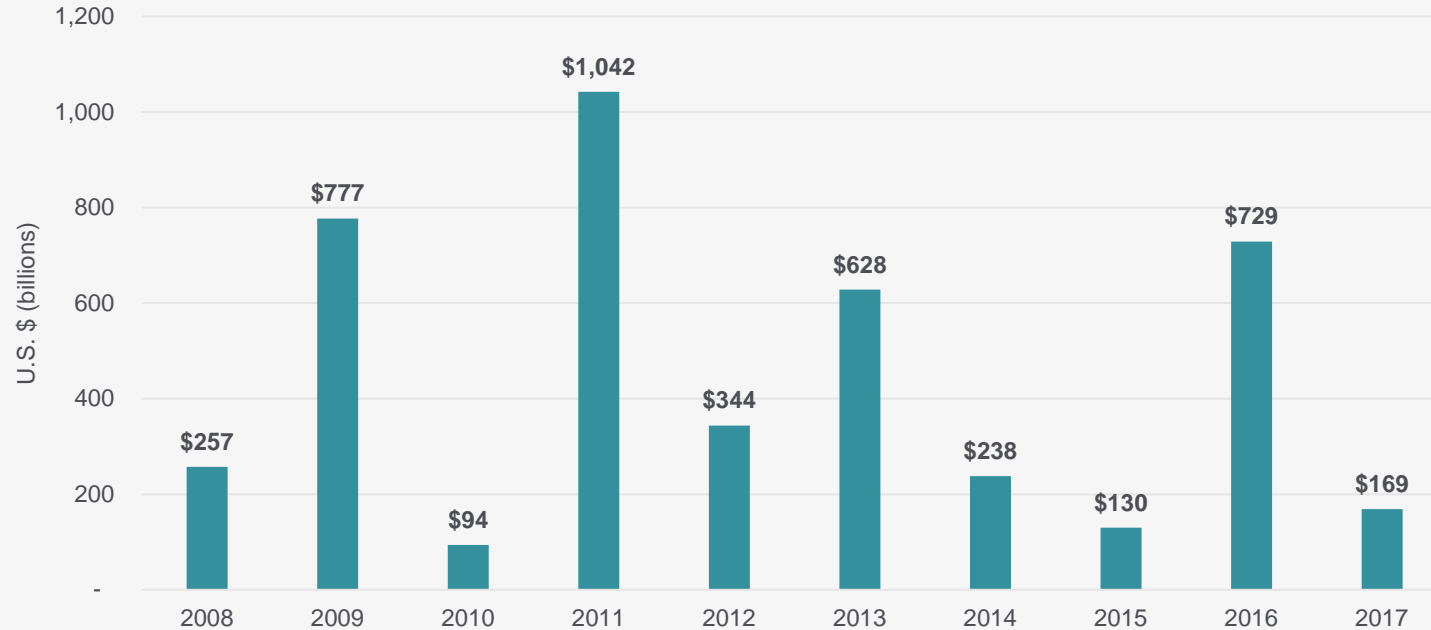
All companies

Company	2016		2017		Change from 2016 to 2017
	Assumed Business	Market Share	Assumed Business	Market Share	
SCOR Global Life	101	22%	105	21%	4%
Swiss Re	84	18%	96	19%	13%
Munich Re	80	17%	92	19%	16%
RGA	84	18%	89	18%	6%
Hannover Life Re	56	12%	66	13%	18%
Canada Life Re	17	4%	19	4%	12%
PartnerRe (Aurigen)	17	4%	12	2%	-33%
General Re Life	9	2%	10	2%	15%
Optimum Re	9	2%	9	2%	8%
Total	457	100%	498	100%	9%

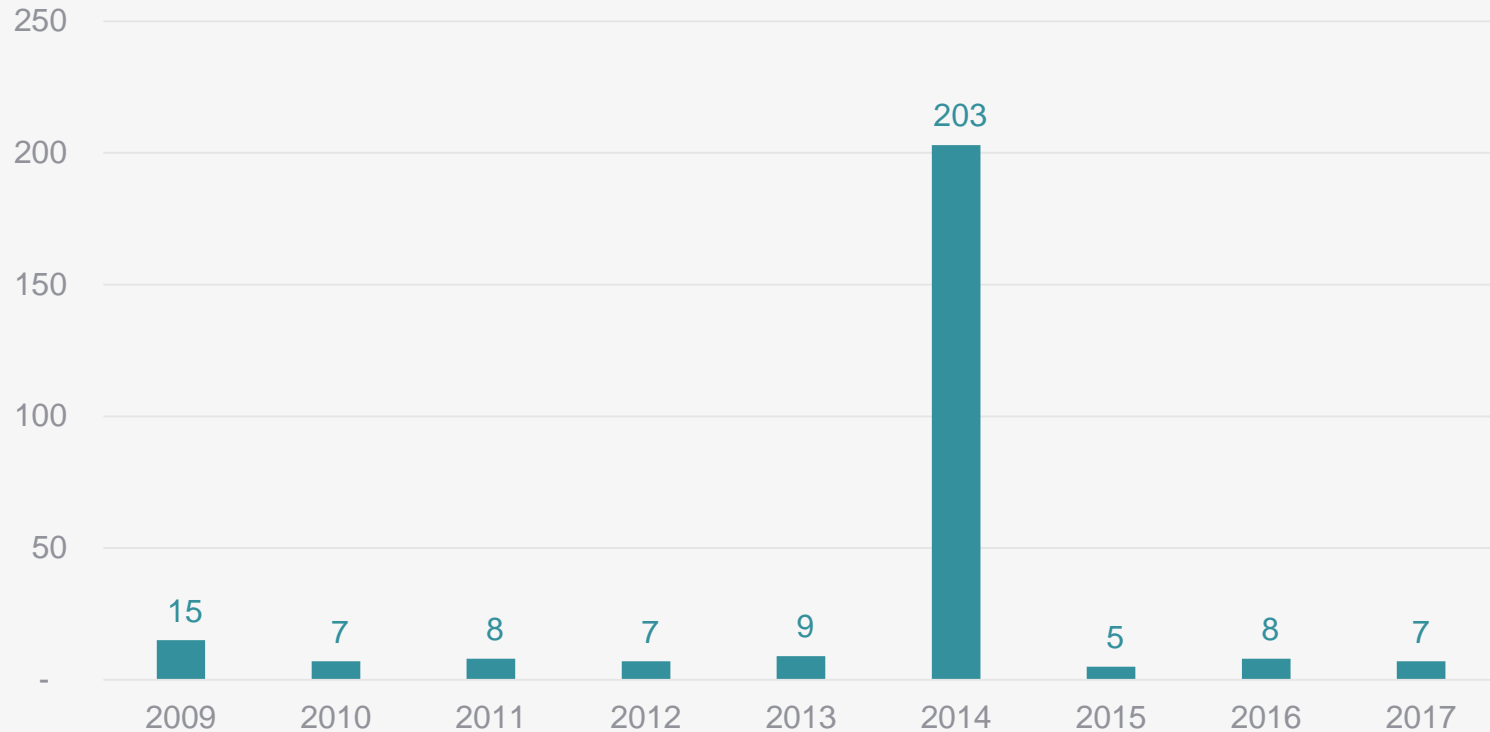
Top five companies now represent 90% of market share

U.S. portfolio business (\$ billions)

U.S. portfolio business



U.S. retrocession (\$ billions)



The background of the slide is a dense, repeating pattern of 3D-rendered Canadian maple leaf icons. Each icon is a white, rounded shape with a red maple leaf silhouette in the center, set against a red background. The icons are arranged in a way that they appear to be floating or stacked, creating a sense of depth and movement. The overall color scheme is red and white, which is the national colors of Canada.

Canada individual life new business

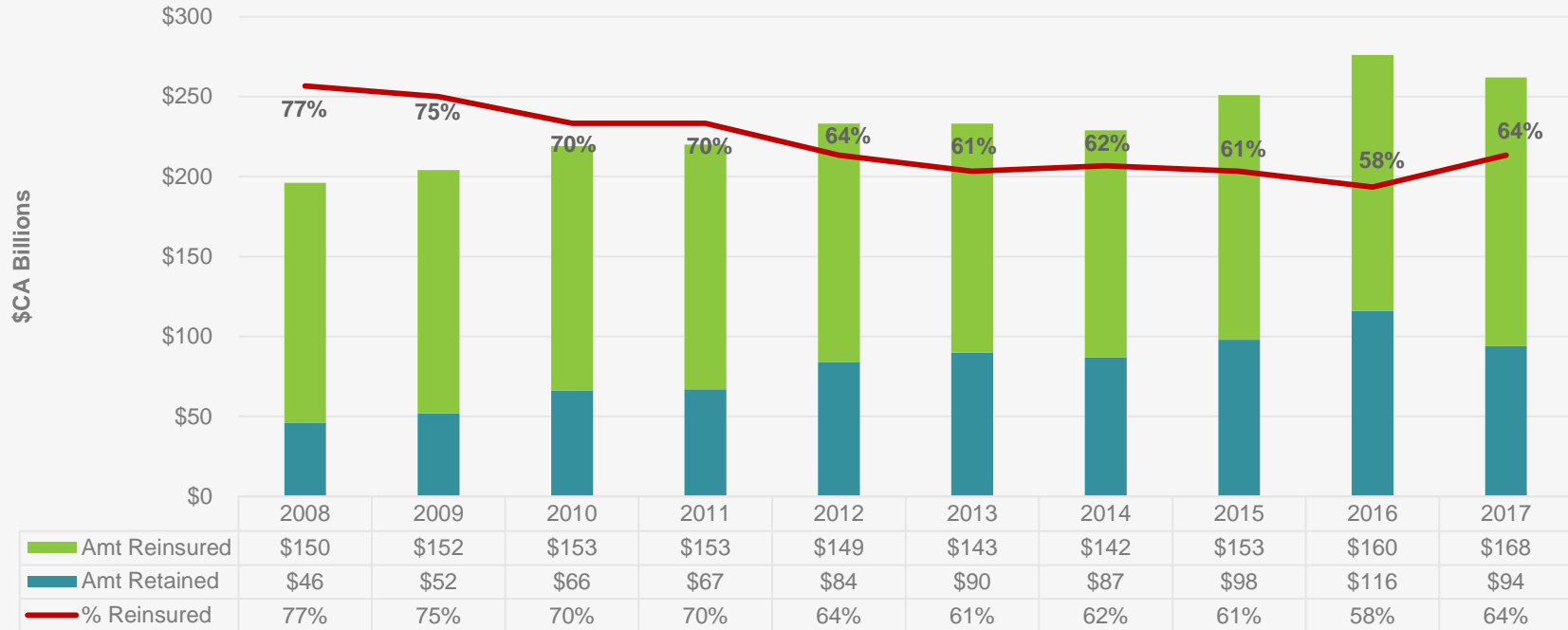
A brief history ...

Canada individual life recurring new business (\$CA)



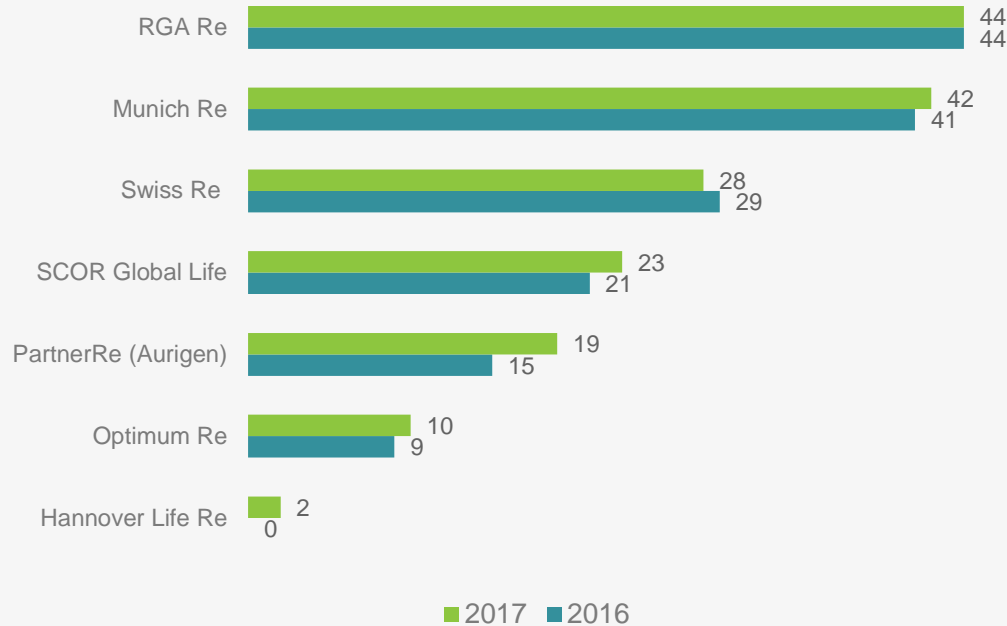
	1986	1995	2005	2017
# of Reinsurers	14	14	7	7
Recurring NB	\$9B	\$17B	\$110B	\$168B
Top Reinsurers	<ul style="list-style-type: none"> ▪ Munich Re (\$3B) ▪ Canadian Re (\$2B) ▪ St. Lawrence Re (\$1B) 	<ul style="list-style-type: none"> ▪ Swiss Re (\$4B) ▪ Munich Re (\$4B) ▪ RGA Re (\$3B) 	<ul style="list-style-type: none"> ▪ Munich Re (\$49B) ▪ RGA Re (\$31B) ▪ Swiss Re (\$26B) 	<ul style="list-style-type: none"> ▪ RGA Re (\$44B) ▪ Munich Re (\$42B) ▪ Swiss Re (\$28B)

Canada Recurring Individual Life Volume (\$CA Billions)

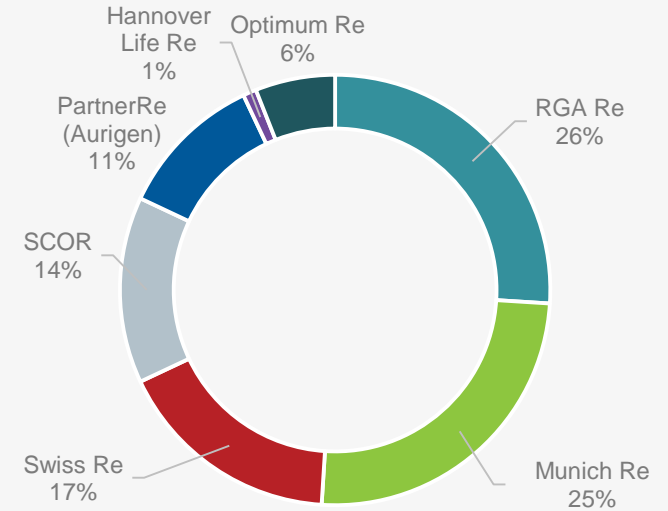


Canada recurring by company

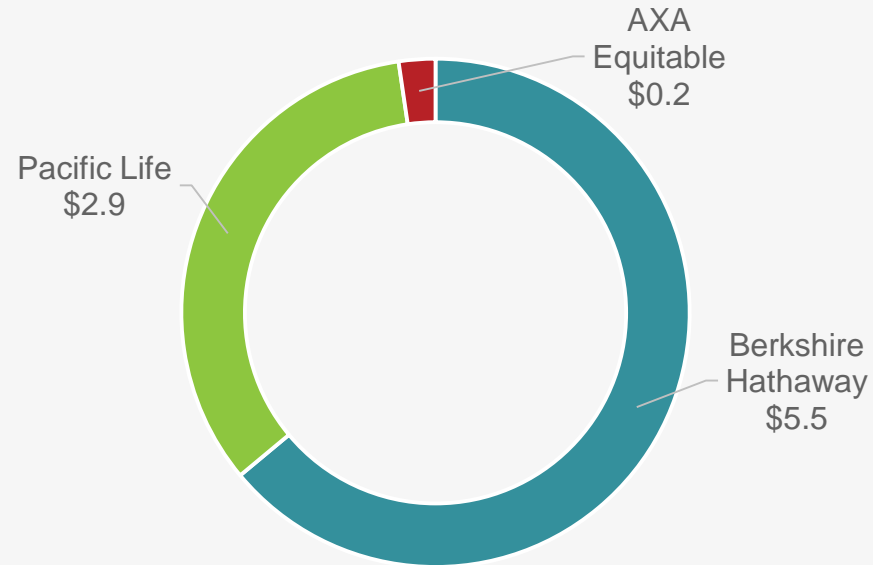
Recurring Business (\$CA Billions)



2017 Market Share



Retrocession (\$CA Billions)

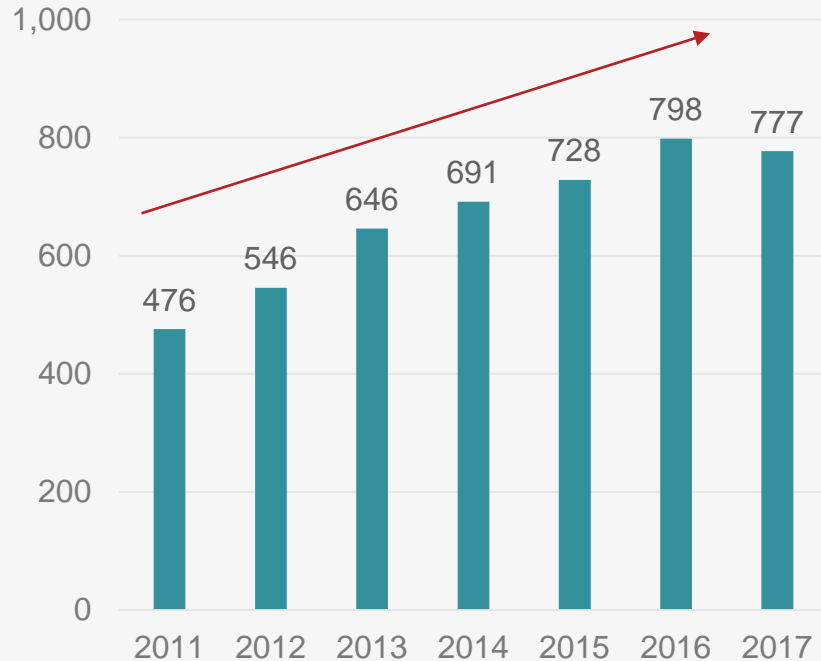


Group business

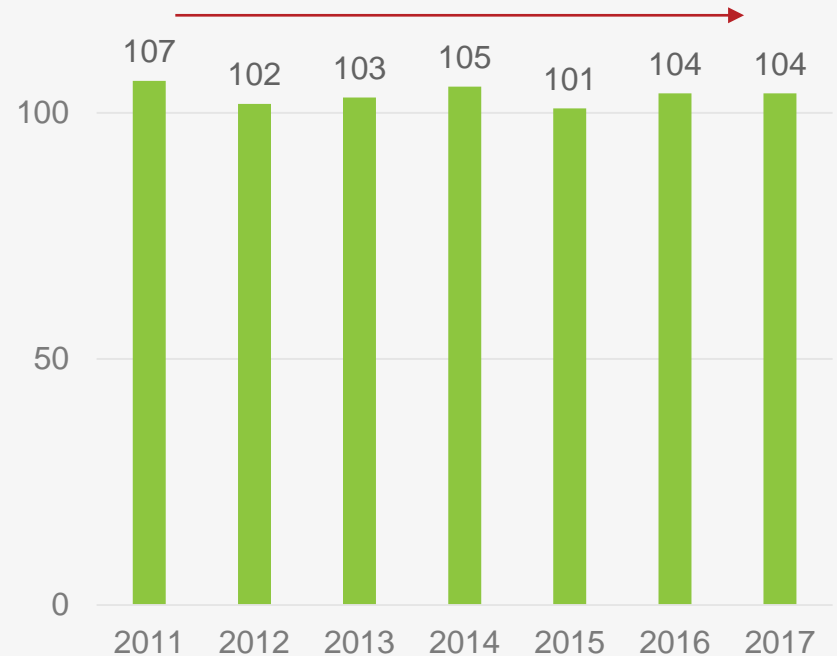


Group business – recurring business

U.S. Inforce Premiums (\$ millions USD)

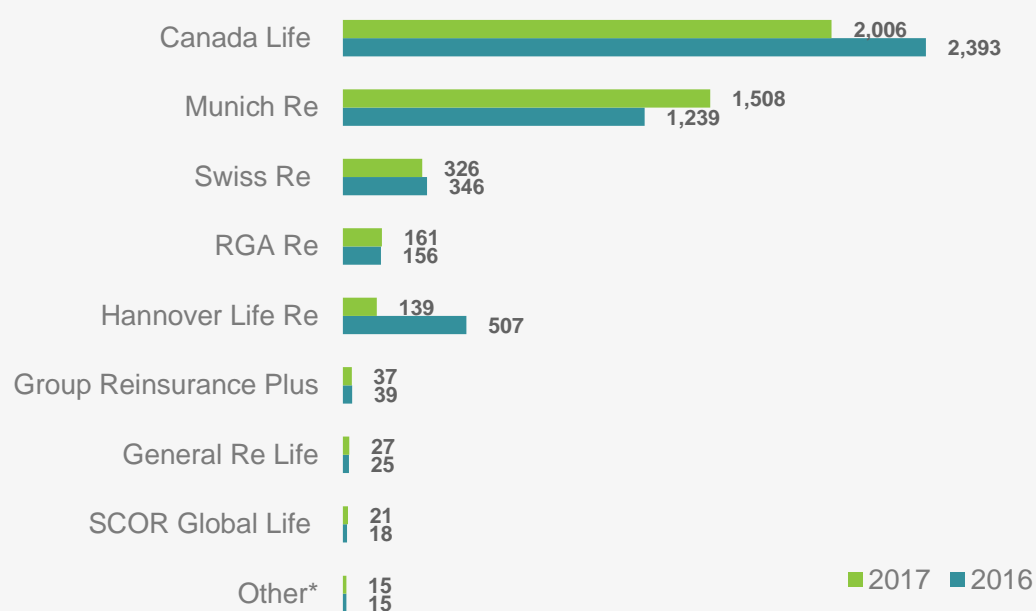


Canada Inforce Premiums (\$ millions CA)

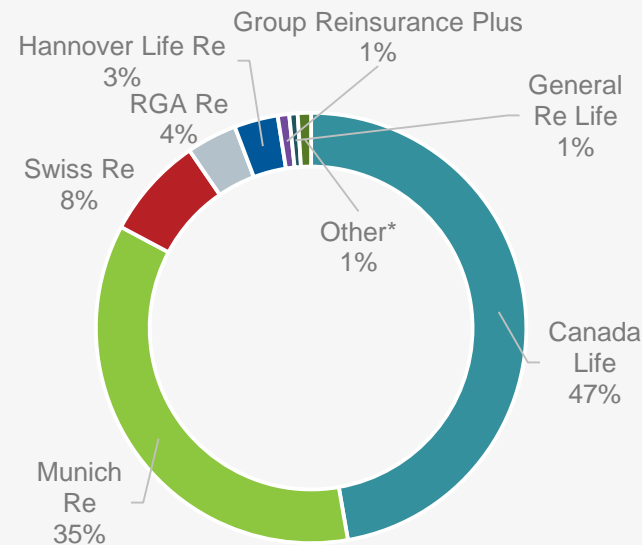


U.S. group life in force premiums

Inforce Premiums (\$ millions)

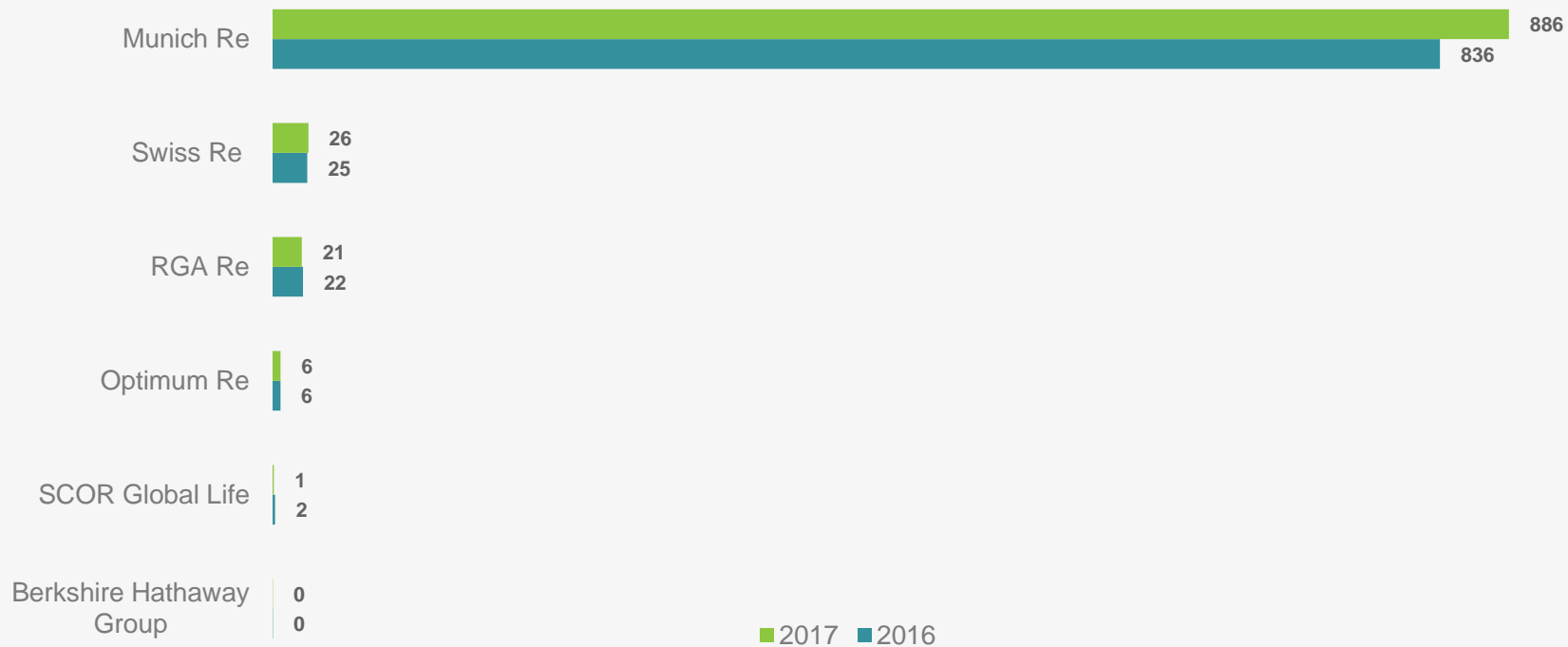


2017 Market Share

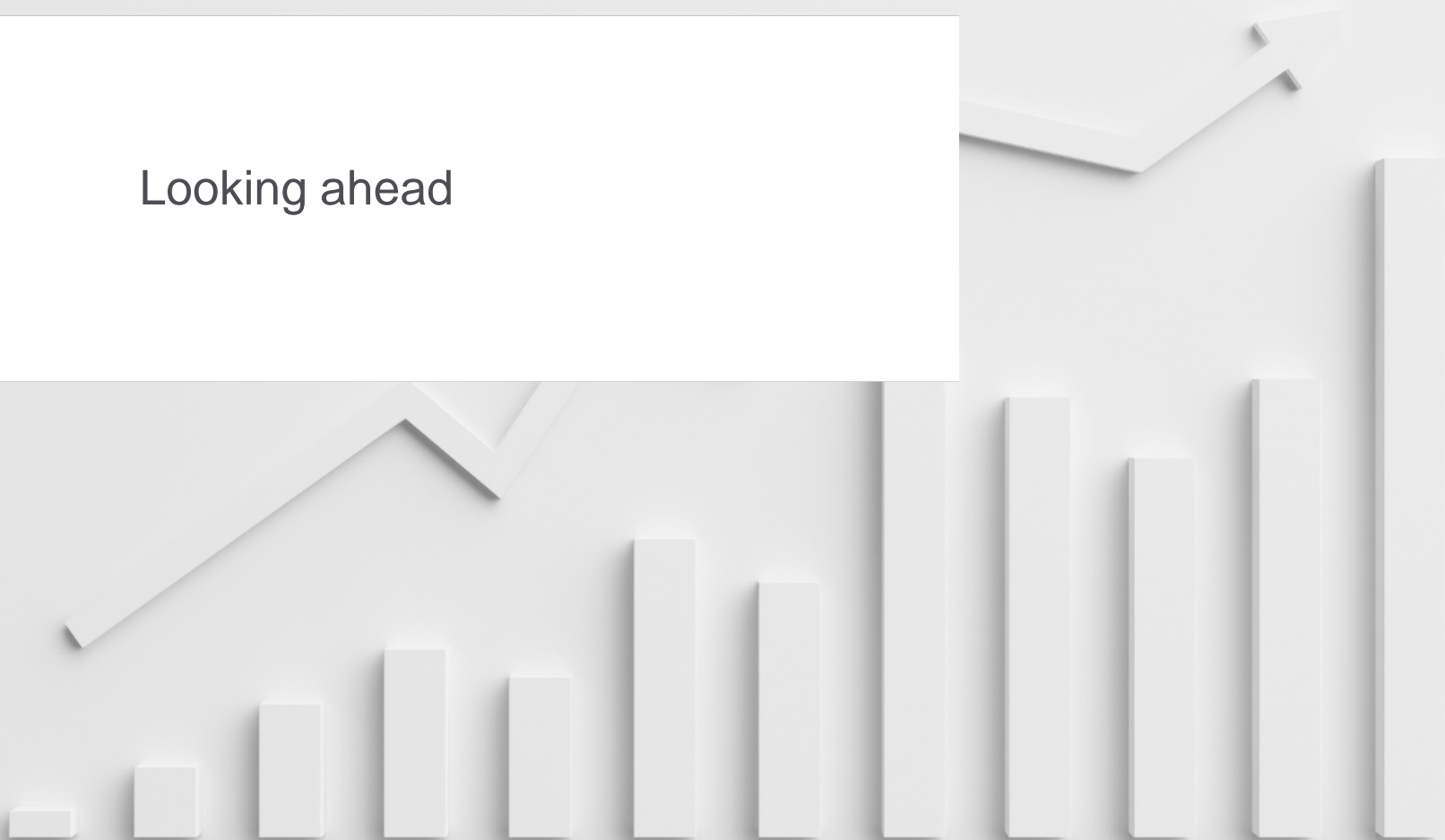


Note: Other includes Scottish Re, Berkshire Hathaway Group, Optimum Re and Pacific Life

Canada group life in force premiums (\$CA millions)



Looking ahead



Many factors will influence future life reinsurance volumes

- Direct life sales, the economy and regulation, in addition to the reinsurance ceding practices
- Direct writers' appetite for financial reinsurance and reinsurance of in force blocks is not expected to wane in 2018
- In the U.S., Principle-Based Reserving still presents some uncertainty in terms of how this reserve regulation will impact life reinsurance
- Life insurers continue to look for ways to expand insurability to those that are uninsured or underinsured through the use of streamlined or accelerated underwriting programs and technology
 - Reinsurers with expertise in these areas are well-positioned to capitalize on the new life sales generated by these programs