

Products, Events and Services Catalogue

Definitive insurance information for intelligent business decisions[™]

2018

www.msaresearch.com

WHO WE ARE AND WHAT WE DO

MSA Research Inc. is a Canadian-owned, independent and impartial analytical research firm that is focused on the Canadian insurance industry.

MSA is the dominant provider of financial information relating to Canadian insurers. Our reports and software are used by 90% of Canadian P&C insurers and many life insurers, reinsurers, reinsurance brokers, commercial brokers, all broker associations, all major audit/actuarial firms, equity research and investment banking shops, regulators, governments, TPA's, academics and many others.



MSA also offers extensive custom analysis and research facilities. With our in-depth industry knowledge, MSA's advisory services provide you with unparalleled insights into the Canadian insurance industry.

While we've tried our best to make this catalogue as descriptive and easy to read as possible, we recognize that you may still have questions. We are always here to answer them. You can reach us anytime by calling **416 368-0777** or by emailing **info@msaresearch.com**.

MSA's mission is to provide Canada's insurance professionals with comprehensive financial information, unparalleled analytical tools and rigorous research on a consistant basis.

Catastrophe Indices and Quantification (CatIQ) Inc. is a sister company to MSA. For more information please see page 19.

THE MSA RESEARCHER P&C AND LIFE/HEALTH PLATFORMS - THE INDUSTRY GOLD STANDARD

The MSA Researcher Platforms are, by far, the market's leading analytical engine, financial database, business-intelligence and benchmarking tool for anyone interested in the Canadian P&C and/or Life/Health industries.

TOP REASONS WHY MSA RESEARCHER IS THE GOLD STANDARD



Unmatched Breadth

•MSA Researcher contains detailed financial information on over 98% of the Canadian P&C and Life/Health Industry.



Unparalleled Depth

- •The standard Researcher package comes with ten-years of detailed regulatory data, updates are released every quarter.
- •Historical versions are also available with data going back to 1990 for P&C and 1996 for L/H.



Unrivaled Functionality

- •Deep analytical dashboard features, collaboration tools, statement data and powerful querying and benchmark creating features.
- •Take data to Excel or PDF in seconds.
- Smart features like MSA's Double Counting Prevention System (DCPS), loss ratio heat maps, 3mos, rolling 12 month analysis and many other tools streamline your analytical work and get you to the right answer quicker.
 Starting in 2017, MSA also offers a powerful Market Share Analysis Module for Researcher. You can get an idea by looking at the following pages; or better yet, contact us for a demo.

Uncompromising Support and Training

•It's always about the customer and it's always free!



MSA'S MARKET-SHARE ANALYSIS MODULE FOR THE P&C AND LIFE/HEALTH MSA RESEACHER PLATFORMS

This extremely powerful view provides you with unprecedented insights into market share information. Measure market share for any line (or combination of lines) in any province (or any combination of provinces) for any set of companies, composites or benchmarks, against any base (industry or otherwise) over five years. Do in minutes what would otherwise take you hours, then easily export the results to Excel.

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MSA'S MARKET-SHARE ANALYSIS MODULE FOR THE P&C AND LIFE/HEALTH MSA RESEACHER PLATFORMS

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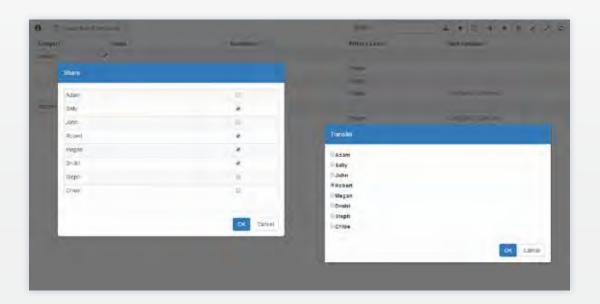
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SUMMARY OF FEATURES

- Interface:
 - Enhanced usability across all function areas allow you to navigate as never before. Quickly filter any list to narrow your searches. Organize your objects (Company Groups, Field Groups and Calculated Fields) easily into categories. Batch move them, merge them, copy, share or delete them and much more.
- Enhanced collaboration features between users takes collaboration to a new level (site license only)
 - Share: Easily bulk share/un-share objects such as company groups, composites, field groups and calculated fields with colleagues within your organization. They will be able to use them but not modify them (read only basis), however they can make their own copies
 - Transfer: Yield control of selected objects to colleagues and they can work on them (the objects will be shared back with you on a read only basis)
- Significant under-the-hood performance and stability enhancements
- Mobile-friendly features
- We are constantly working on new enhancements and features



P&C AND LIFE/HEALTH DASHBOARDS

Interactive multi-tab, multi-period and multi-dimensional dashboards covering all analytical aspects.

On the next few pages, you'll find screen shots from some (but certainly not all) of the tabs. These will give you a taste.

Experience it fully by logging in.

P&C DASHBOARD

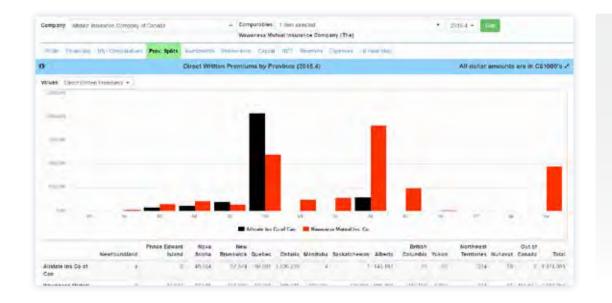
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LIFE/HEALTH DASHBOARD





DASHBOARD - P&C

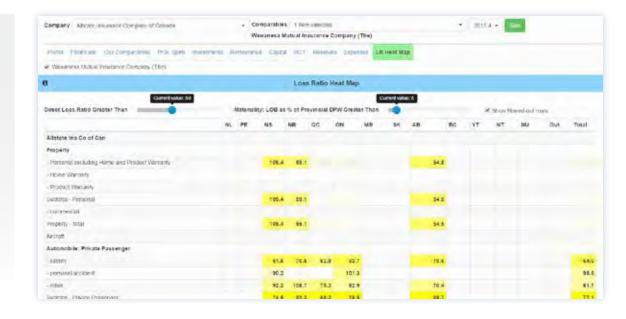


PROVINCIAL SPLITS

Quickly analyze writings across Canada or by province by LOB for up to five companies, benchmarks or composites

LOSS RATIO HEAT MAP

Choose up to five companies, benchmarks or composites and quickly analyze loss ratios by LOB by province by using slider filters to dynamically highlight and focus on higher loss ratios for material lines of business. Filter out immaterial rows to swiftly find the hot spots.



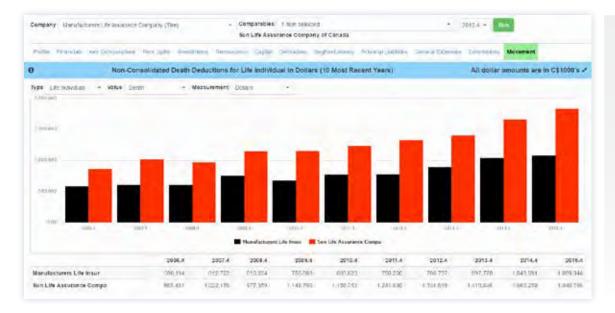
DASHBOARD - LIFE/HEALTH

KEY COMPARATIVES

Graphically analyze up to five companies or composites across ten years across an array of metrics such as DPW, Assets, Capital, Benefits

Analyze product sales by line of business for the selected period.





MOVEMENT

Graphically analyze a wide array of deductions (Death, Maturity, Surrender, Lapse, Lapse Ratio, Payment, Surrender etc. by product in a dollar or number of policy basis for up to five companies or composites.

View movement by product by province for up to five companies or composites.

Analyze changes of in-force business by provinces for the selected period for the selected companies or composites.



ADDITIONAL FEATURES

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DISCRETE PERIOD ANALYSIS

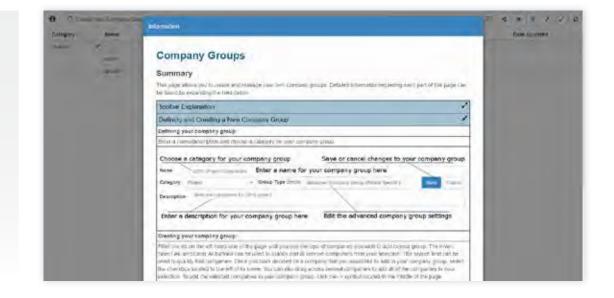
Ability to view 3mos, YTD or rolling twelve month information for selected statement pages.

Now available for both individual companies and user-generated composites.

Enhanced documentation and tips for every aspect of the platform.

Help information is currently only available in English.

French explanations will be added soon.



ADDITIONAL FEATURES (continued)

Corporate group subtotals in queries

• Now you can easily see corporate group subtotals when you run queries. The subtotals employ MSA's proprietary DCPS technology to remove double counting

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Smart 3-month, YTD or rolling 12-month data in statement view for composites

 We have introduced 3-month, YTD and rolling 12-month views for income pages for individual companies. This year we're extending that functionality to composites (composites are aggregations of individual companies) so now you can analyze whole swaths of the industry one quarter at a time!
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ADDITIONAL FEATURES (continued)

Nested Composites

• Now you can create composites of composites. MSA's DCPS system will now 'see-through' the composites to eliminate nested double counting.

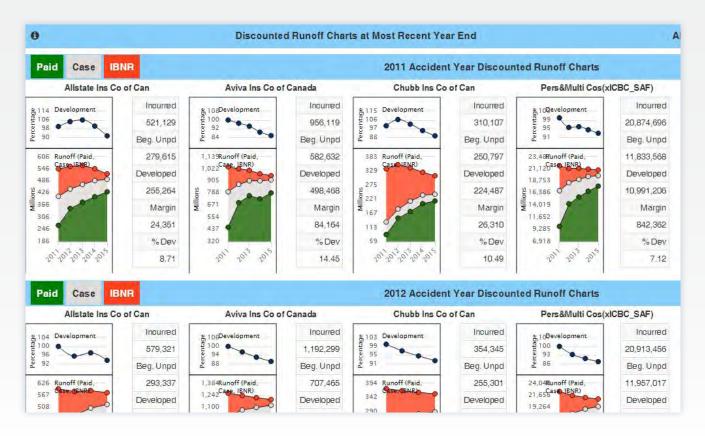
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Improved Field Group and Company Group Creation Interfaces

• Including powerful search and field name filtering to speed field group creation.

P&C ANALYSIS OF RESERVES

- Analyze LOB calendar-year, accident-year and margin/deficiency ratios for up to five companies, benchmarks or composites
- Show summarized run-off data on a discounted or undiscounted basis for up to five companies, benchmarks or composites
- View MSA's proprietary accident-year runoff charts and data on a discounted or undiscounted basis for up to five companies, benchmarks or composites.





QUERY INTERFACE

Query interface with quick filter functionality and improved sorting and sub-totalling.

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HOW DO I GET MY HANDS ON THIS POWERFUL PLATFORM?

Your comments and feedback are always welcome. Don't be shy, tell us what you think!

If you don't yet subscribe and have questions or comments, contact us for a free demo by emailing Tes Fekade at *tesfaye.fekade@msaresearch.com* or call (416) 368-0777 x23

TOOLS OF THE TRADE: MSA QUARTERLY P&C OUTLOOK REPORT

MSA QUARTERLY OUTLOOK REPORT

A quarterly analytical report covering the Canadian P&C Industry, with each issue containing insightful, thought-provoking research pieces covering various aspects of the industry. In addition to the articles, each issue also contains updated summary financial results for Canada's insurers and updated DBRS Ratings.

The report is read to by approximately 6,500 industry professionals including most Canadian insurance/reinsurance executives. It is available to association members courtesy of our generous sponsors.



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For recent issues, please visit *www.msaresearch.com/outlook*



TOOLS OF THE TRADE: MSA REPORT (P&C) REPORT

2018 MSA REPORT P&C

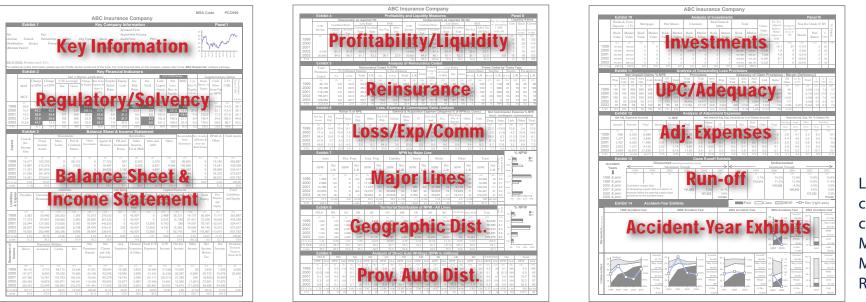
The MSA Report provides a wealth of financial information on the overwhelming majority of Canada's P&C insurers. An essential tool for anyone following the industry.

Key Features:

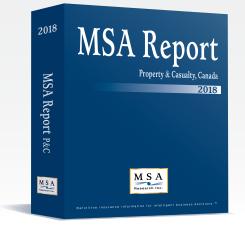
- · Five years of detailed financial information
- Three-page financial reports covering every aspect of each insurer
- Multi-Year averages and growth measures
- Extensive corporate profile and contact information

Primary Uses:

- · Individual company & market analysis
- Financial strength & solvency trend analysis



Layout of individual company exhibits contained in the MSA Report and the MSA Benchmark Report.



TOOLS OF THE TRADE: MSA BENCHMARK REPORT

2018 MSA BENCHMARK REPORT P&C

The MSA Benchmark Report is a powerful benchmarking tool, providing comparative statistical information and analysis on forty-three industry composites.

Key Benefits:

- · Five years of easy to access financial information on every industry sector
- Insurers included in each composite are explicitly listed
- Detailed exhibit explanations

Primary Uses:

- Policymaking & reference
- Benchmarking & peer group analysis
- Market & performance analysis



HOW DO I GET MY HANDS ON THESE REPORTS?

The MSA Report and MSA Benchmark Report are bundled with MSA's P&C Researcher Software Platform or can be purchased separately.

For more information or to find out how you can gain access to this valuable resource, please contact Tes Fekade at: *tesfaye.fekade@msaresearch.com* or call (416) 368-0777 x23



TOOLS OF THE TRADE: MSA MARKET SHARE REPORT

2018 MSA MARKET SHARE REPORT P&C

The MSA Market Share Report provides valuable market share and ranking information for every line of business in every province over a five year period.

Key Features:

- Companies ranked on a consolidated group basis
- Up/Down arrows quickly identify changes in rankings from prior year

Primary Uses:

- Easily identify your market positions and those of your competitors
- Quickly analyze potential markets
- Review top players and their performance in any market segment



HOW DO I GET MY HANDS ON THESE REPORTS?

The MSA Market Share Report is bundled with MSA's P&C Researcher Software Platform or can be purchased separately.

For more information or to find out how you can gain access to this valuable resource, please contact: Tes Fekade at **tesfaye.fekade@msaresearch.com** or call **(416) 368-0777 x23**



For more information please contact:

Laura Twidle Director, Catastrophic Loss Analysis, CatlQ Inc. (416) 368-0777 x30 laura.twidle@catiq.com www.catiq.com

Catastrophe Indices and Quantification Inc. (CatlQ) delivers detailed analytical, insured loss estimates and meteorological information on Canadian natural and man-made catastrophes.

Key Features:

- Canada's most comprehensive database of Catastrophes and Notable Events¹ since 2008
- Aggregated insured loss estimates for Catastrophes by line of business which allow advanced benchmarking for primary insurers using CatlQ's Query View and report based Analysis Dashboard
- CatlQ's Ground-breaking FSA-level Industry Exposure (sums insured) & Loss Database (IED)
- GIS mapping technology to identify catastrophe footprints, meteorological metrics, affected postal codes and other data feeds
- CatWATCH Alerts identify, track and monitor evolving situations which may cause catastrophic damage
- Unrivaled industry support, along with meteorological insight, makes CatlQ Canada's cat data provider designed by the industry for the industry

1 Notable Events (NEs) are designated events that cause insured losses estimated between \$10 million and \$25 million to the industry. NEs do not meet CatlQ's CAT threshold of \$25 M.

MSA AND CATIQ - CONFERENCES & EVENTS



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