# Insurance EXECUTIVE BRIEF

GLOBAL INSURANCE SERVICES

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**JEFFREY LEONARD**, FSA, EA, MAAA, JOINS THE GLOBAL INSURANCE SERVICES, ACTUARIAL, AS A MANAGING DIRECTOR TO LEAD EXPANSION OF PENSION CONSULTING.

**LAUREN CAVANAUGH**, FCAS, MAAA, IS A MANAGING DIRECTOR, GLOBAL INSURANCE SERVICES, ACTUARIAL, AND CHAIR, AMERICAN ACADEMY OF ACTUARIES, P/C RISK-BASED CAPITAL COMMITTEE

### **6.** THOUGHT LEADERSHIP & IN THE NEWS

**JIM TOOLE,** MANAGING DIRECTOR AND LEADER OF GLOBAL INSURANCE SERVICES, ACTUARIAL LIFE & HEALTH, CONDUCTED AN EXPERT EXTERNAL REVIEW OF THE METABIOTA INFECTIOUS DISEASE MODEL.

MARK HIGGINS, SENIOR MANAGING DIRECTOR AND LEADER, GLOBAL INSURANCE SERVICES, PERFORMANCE ANALYTICS AND JIM WRYNN, SENIOR MANAGING DIRECTOR, GLOBAL INSURANCE SERVICES, SPEAK AT MAJOR CONFERENCES IN U.S. AND UK.

FTI CONSULTING INSURANCE EXPERTS NAMED IN WHO'S WHO LEGAL: REINSURANCE 2017



# Performance Analytics Team Expands

The Performance Analytics team offers a full suite of methodologies and technology covering performance excellence, customer value management, predictive analytics and enterprise data management.

The team's capabilities and services are designed to help clients with transformation; capturing and enhancing the value of their existing enterprise assets; and ensuring that those assets are used effectively to achieve profitability and growth objectives.

Toward that end, the Performance Analytics team is continuously enriching its personnel resources to meet expanding client needs. Those profiled below are recent staff additions.



IAN DUNCAN, MBA, FCCA, CMC

Managing Director, Global Insurance Services, Performance Analytics +353 1 672 9025 lan.Duncan@fticonsulting.com

lan has more than 24 years of deep expertise and experience devising and leading organizational change across industry sectors, including insurance, retail and investment banking, utilities and government. He is a skilled workshop facilitator and works with leaders and their teams to design, lead and execute business transformations.

lan is frequently engaged by clients to help them through major strategic challenges facing their businesses.

Currently Ian is leading a board level organizational review of a multi-billion company to determine if their organization is configured to deliver on their 5-10 year strategy. Prior to joining FTI Consulting Ian was a Managing Director with KPMG Management Consulting, established a change management consultancy, led a multi-million euro consultancy and worked for 7 years in London's investment banking sector.

lan holds an MBA, Heriot-Watt University Edinburgh Business School, Diploma Executive Coaching, University College Dublin, and Diploma Company Direction, Institute of Directors. He is a Fellow Certified Charter Accountant (F.C.C.A), and Certified Management Consulting (C.M.C).



PAUL PRIOR, MBA, MSC

Managing Director, Global Insurance Services,
Performance Analytics
+353 87 9665296
Paul.Prior@fticonsulting.com

Paul has more than 15 years of experience working with global financial services clients in Europe, UK, South America and South Africa, applying his specialized knowledge and expertise in using data and digital technology to drive transformation within organizations.

Paul is adept at innovation while remaining focused on customer and stakeholder adoption, and regularly advises the Fintech start-up community across matters related to digital strategy, growth and data regulation. He has held senior positions with consulting and software companies, with responsibility for developing digital transformation, analytics, innovation and risk and regulation functions, and growing United States and ASIAPAC markets.

Paul holds a BSc with honors and an MSc with distinction from Dundalk Institute of Technology, and an MBA with distinction from Trinity College Dublin. He also holds a number of certifications including, PRINCE2 and Lean Six Sigma Black Belt, and holds Diploma Java Programming. Paul is also a member of the Institute of Directors.



**PRATYUSH LAL** 

Managing Director, Global Insurance Services, Performance Analytics +1 678 462 8233 M Pratyush.Lal@fticonsulting.com

Pratyush has more than 16 years of experience establishing and managing high performing professional service teams across U.S. and LATAM markets. He has advised large multinationals on digital transformation strategies and their execution, enabling value creation through better digital asset leverage.

Pratyush regularly advises clients on matters related to digital strategy, change management, compliance and governance. He has provided expert guidance to his clients to drive omnichannel, customer centric and analytics based transformations.

Pratyush has held senior positions with consulting and software companies, with responsibility for developing, adapting and improving professional service functions in areas of digital transformation, process improvement, analytics and master data management. He has served on executive committees driving strategic direction and alignment.

Pratyush holds a BSc in Mechanical Engineering and an MBA from the Georgia Institute of Technology, as well as certifications in Global Economics and Operations Strategy. He has been awarded multiple awards for his professional and academic achievements.

## Client Guidance

# **Performance Driven Transformation: Path to Enterprise Excellence**

Companies must achieve transformation concurrent with operating the business, a challenge often compared to changing the wheels on a moving train.

This seemingly impossible task, however, can be achieved through vision, planning and structuring the right components and programs that enable incremental, accretive benefits, a process we call Performance Driven Transformation.

Performance Driven Transformation (PDT) consists of eight major planning/structural components. See Figure (1).

The transformation process leads to execution of specific operational programs designed to yield value in support of corporate vision, strategies and objectives.

In Figure (1) below and the following overview, we have highlighted "Customer Value Management" as an example of an operational program executed following completion of a Target Operating Model.

We employ multi-disciplinary teams with experience and skills in business domains, advanced analytics, process engineering, lean Sigma, data management, financial analysis, and project management. Our approach consists of four planning/action stages and a final stage involving ongoing review and adjustment.

#### **BUSINESS OBJECTIVES**

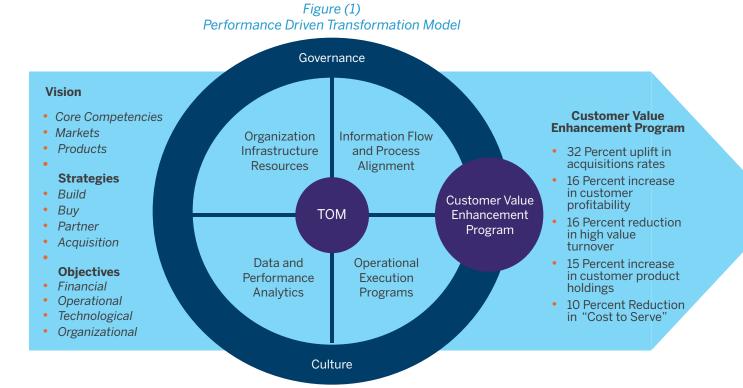
As a starting point, we gain consensus on a clear understanding of business objectives, to ensure that the final customer value management program satisfies those objectives.

#### **QUALITY DATA**

Next, although the data quality process would be completed earlier in the transformation program, we assess data stores to ensure that only relevant data is used to populate customer databases used for analytics.

The questions below would be asked and answered during a segment of transformation planning. They are shown here to highlight their relation to the customer value management program.

- Are we using all available data sources to generate insight about our customers?
- Are we managing data as a strategic asset to inform business performance and decision making?
- Are we managing our data from an architecture, process and governance perspective to ensure we are accurately configured and investing where we need to maximize the insight and value?



Insurance EXECUTIVE BRIEF

### Client Guidance

### Continued

#### **ANALYTICS**

Many companies view customers generally in a few buckets, such as credit score or income bracket.

Our comprehensive analytics yields a single view of the customer, but with many unique characteristics that can be leveraged for segmentation and in campaigns. Our analytics process also provides information regarding competitive products and services and customer purchasing options.

Typical questions asked and answered under this task include:

- Who are our most profitable customers and how can we retain them?
- · How do we reduce customer turnover?
- How do we contact customers with increased channel, price and offer relevance?
- How can we create a single view of our customer to support effective decision making?

With this single view of the customer, we identify distinct segments in the customer base that contain common characteristics. This helps us gain an understanding of the value demographics and behaviors of those segments, and indicates investment in those segments that demonstrate the most potential.

#### **CAMPAIGNS**

The insights gained to this point inform the appropriate campaigns for each customer segment. We then design actionable and measurable campaigns around these customers – new customer acquisition, and upsell, and retention of existing customers.

### **REWARDS**

With data insights and actionable plans, the client's team is able to continue on the journey toward building strong, sustainable relationships that support long-term marketing success; and that drive increased customer value and ROI.

The process includes review and adjustment based on changing circumstances. Typical client results are shown in Figure (1).

#### **SUMMARY**

The Performance Driven Transformation approach enables clients to achieve incremental, accretive benefits while moving along their transformation path. The approach reduces friction, facilitates cross enterprise collaboration, and helps ensure that progress is measured in tangible benefits.

#### For more information contact:

Mark.Higgins@fticonsulting.com (EMEA)

+ 353 1 6729025

Dan.Jones1@fticonsulting.com (U.S.)

+1 212 841 9385

### PERFORMANCE DRIVEN TRANSFORMATION COMPONENTS

- Vision/Strategy/Objectives: These are defined at the corporate and operating levels, and set the course and expected outcomes for transformation
- Governance: Provides an overarching framework for guidance and control
- Culture: Sets the "tone at the top" focus on inovation and agility as distinguishing characteristics
- Organization/Infrastructure: Establishes organizational models (including human resources) designed for incremental implementation, and definition of incremental IT infrastructure changes – migration to data and computing in the cloud for example.
- Information Flow/Process Alignment: Mapping of current and potential flows and alignments in accord with organization/infrastructure change requirements
- Data/Analytics: Identifies external and internal data sources, establishes data repositories and management, and defines data analytics capabilities
- Target Operating Model (TOM): Illustrations and descriptions of who/what/when/how for the organization moving forward on a planned timeline
- Operational Execution: These are the incremental targeted programs that deliver expected outcomes and that move Performance Driven Transformation forward toward operational excellence

# Quick Takeaway

# Fintech Startups: Digital Disruptors or Potential Partners

Embracing digitization requires innovation and agility, signature attributes of FinTech companies.

FinTech companies have the advantage of starting from scratch, supported by financial backing from hedge funds and other investors.

Those investors funded an average of \$11.5 million to 300 FinTech startups in 2016, in all financial sectors, with 2017 on pace for more of the same.

With that initial funding, Fintech startups are able to hire a core team of the best people, deploy the best technology, and offer innovative ways of conducting business.

For example, in the home and auto insurance arena, the formula is simple: use advanced data analytics, artificial intelligence, location sensing, and onboard telematics to fully automate the insurance company/customer lifecycle; conduct it all via the cloud and web/smart phone, and eliminate onboard infrastructure, as well as the agent as intermediary.

### AS EXAMPLES, CONSIDER LEMONADE, METROMILE, AND TELEFONICA SA

**Lemonade**, a new peer-to-peer auto insurer, claims on its website, that it can complete a rental insurance agreement in a few minutes for 68% less than the top four U.S. auto insurers. Lemonade pays claims in a few minutes as well. The complete lifecycle process is accomplished with advanced data analytics, algorithms and artificial intelligence bots.

Another big difference is that Lemonade is a certified Public Benefit Corporate. It takes a flat fee from premiums, and any funds left over at the end of the year are given to charities chosen by policy holders.

**MetroMile**, according to the insurer's website, prices auto insurance at a low monthly base rate plus a few cents per mile per day regardless of where, when or how you drive. Daily mileage above 150 is free. Mileage is tracked by in-car telematics. The company states an average savings of \$500 per customer.

**Telefonica SA's O2 unit** is one of the first mobile operators in Britain to offer car insurance. In February 2017, the company expanded its product line to include telematics units to track driving habits. The company expects that the data can lead to cheaper premiums for younger drivers.

One of the implications from Telefonica's actions is that large data aggregators such as phone companies, search and social media giants, and online mega retailers, can quickly leverage their data for offering insurance products.

These examples can be viewed as the tip of the iceberg, with more disruption in queue as other FinTech firms emerge.

#### **INVESTING AND PARTNERING**

The other side of the coin is that insurance companies can also invest in and partner with FinTech companies. A number of insurers, such as Munich Re, Allianz, Axa, Nationwide, MassMutual and others have venture capital units that have, and are investing in FinTech and insurance tech startups (referred to as InsurTech). According to CB Insights, investments in InsurTech by reinsurers and insurers have gone from one in 2012 to 79 in 2016.

Most of the investments are in early stage companies, which means that any beneficial tech capabilities or partnerships may not be realized in the short term.

That said, Insurify, an MIT spinoff, is aggressively marketing its virtual tool for car insurance shopping, now available on Facebook Messenger. Nationwide Ventures and MassMutual Ventures are among the company's investors.

Also, Wrisk, an InsureTech company that delivers motor, travel and home insurance directly through smart phones, has recently reached agreement with Munich Re as its exclusive carrier for the UK, U.S. and Europe.

#### **TOUGH DECISIONS**

Larger companies with venture units are hedging their bets by investing in more than one InsureTech startup, with the strategy of picking apparent leaders as partners, and staking out marketing or other domains ahead of the competition.

Companies without such resources would be well served to form an InsurTech task force dedicated to developing a strategy, gathering intelligence, assessing options, and developing plans for aggressively participating in these new digital capabilities.

For additional information contact: wendy.shapss@fticonsulting.com +1 212 841 9385

# Key Expert Profiles



**JEFF LEONARD, FSA, EA, MAAA** 

Managing Director and leader, Global Insurance Services, Pension Consulting +1 212 247 1010 Jeffrey.Leonard@fticonsulting.com

Jeff is a Fellow of the Society of Actuaries, an Enrolled Actuary, Member of the American Academy of Actuaries, and a Level III CFA candidate. Jeff holds a degree in mathematics as well as economics and management, Centre College, 1987. He has more than 25 years of experience consulting to pension plan sponsors in the United States.

Jeff's experience includes consulting and management positions involving design, implementation, administration and financial management of all forms of employee benefit plans; including as project leader for a governmental pension fund involving analysis and negotiation with pensioners regarding the deteriorating funded status.

Jeff has served in various capacities with the Society of Actuaries pension exam committees, and on the Board of the Employee Benefits Research Institute; and has been a frequent speaker at various industry venues on pension related issues.



LAUREN CAVANAUGH, FCAS, MAAA

Managing Director, Global Insurance Services, Actuarial Chair, American Academy of Actuaries, P/C Risk-Based Capital Committee

+1 212-841-9383 Lauren.Cavanaugh@fticonsulting.com

Lauren Cavanaugh has more than 13 years of broad experience in property/casualty, workers compensation, professional liability, and reinsurance sectors. She has functioned as consultant and advisor to senior staff, providing loss reserve analyses; asbestos liability estimation; litigation and dispute resolution support; reinsurance risk transfer testing; reinsurance pricing; due diligence support for mergers and acquisitions; model design and underwriting strategy.

Lauren is a Fellow of the Casualty Actuarial Society and a Member of the American Academy of Actuaries. She is currently Chair for the American Academy of Actuaries P/C Risk-Based Capital Committee. She has also served on the Casualty Actuarial Society exam committee and the American Academy of Actuaries Mass Torts Subcommittee.

Lauren is often requested to speak at industry events on topics including predictive analytics, trends in asbestos liability for P/C insurers, and regulatory capital standards.

## Thought Leadership & In The News

### **Thought Leadership**



JIM TOOLE, FSA, CERA, MAAA

Managing Director and leader, Global Insurance Services, Actuarial Life & Health, and Chair, SOA Latin America Committee +1 336 768 8217

Jim.Toole@fticonsulting.com

Jim recently conducted an extensive, expert-external peer review of the Metabiota Infectious Disease Model 1.0, a platform that quantifies influenza pandemic risk. Metabiota is a recognized leader in providing analytics and advisory products designed to help companies and governments understand and manage epidemiological financial risk.

The external peer review was requested before the platform was made available to clients.

The model quantifies influenza pandemic risk through a probabilistic, event-based infectious disease model that captures plausible event trajectories. The review was based on a novel pandemic strain of influenza, and so excluded transmission dynamics of all other transmissible infections, or non-pandemic seasonal influenza.

The model helps address questions related to the likelihood that an emerging pathogen in one locale might spread globally. Through inclusion of a transmission dynamics engine, the model can address questions related to individual life insurance policy risk assessment. Also, as pointed out by Jim, "The model allows for sensitivities on particular variables, which makes it well suited to determine the cost benefit of particular interventions or improvement of same. This capability will assist in making more informed policy decisions."

Involvement in this initiative is indicative of the expanding scope of engagements being conducted by actuaries within Global Insurance Services.

Contact Jim Toole for additional information.

### In The News

Mark Higgins, Senior Managing Director and leader, Global Insurance Services, Performance Analytics will share the podium with Jim Wrynn at The Executive Summit, American Fraternal Alliance, April 3-5, 2017 in Chicago, speaking about "Gaining Results through Performance Analytics."

+ 353 1 6729025 Mark.Higgins@fticonsulting.com

Jim Wrynn, Senior Managing Director and Leader, Governance and Risk, Global Insurance Services, discussed "Challenges for the Insurance Industry," March 8, 2017, before the St. John's Law School Corporate & Securities Society, at the Manhattan headquarters of law firm, Skadden.

On March 30-31, 2017, Jim speaks before the International Bar Association in London on various matters related to Brexit.

+1 212 841 9366 Jim.Wrynn@fticonsulting.com

### FTI CONSULTING INSURANCE EXPERTS NAMED IN WHO'S WHO LEGAL: REINSURANCE 2017

Five professionals from the Global Insurance Services practice have been named as leading experts in *Who's Who Legal: Insurance and Reinsurance 2017.* 

Who's Who Legal: Insurance and Reinsurance 2017 highlights leading litigation experts in this sector that have been recognized for their knowledge of disputes and regulatory issues and their skills in assisting clients, including law firms and corporations with litigation matters. Experts were selected based upon comprehensive, independent survey work with both general counsel and private practice lawyers worldwide.

Selected experts include:

- Paul Braithwaite, Senior Managing Director Global Insurance Services practice co-leader
- Wendy Shapss, Senior Managing Director Global Insurance Services practice co-leader
- Jim Wrynn, Senior Managing Director Global Insurance Services
- Ian Marshall, Managing Director Global Insurance Services
- Richard Hershman, Senior Advisor Global Insurance Services



#### **Corporate Advisory** Claims & **Actuarial** Litigation **Forensic** Governance, **Performance Services Services** & Dispute **Accounting & Regulation & Underwriting Analytics** Resolution Investigations Compliance **Analytics Appointed** Claims Accounting Compliance Claims & Performance **Customer Value** Actuary & Litigation Malpractice Programs Underwriting Statements & Dispute Asset Tracking Governance Leakage Strategic Design Data Driven **Target** of Actuarial Resolution and Recovery Frameworks Reserve Identification & & Transformation Growth Audit Committee Contract Internal Audit Analysis Opinion Diligence **Business** Customer Expert Testimony Dispute Investigations and Internal **Business** Post Merger Architecture Segmentation Resolution Compliance Controls Risk Independent Metrics & Integration **Business** Compliance. E-Discovery and Internal Assessment **Analytics** Product/Market Integration & Lifecycle Mapping Performance Readiness, Investigations Regulatory Technical Analysis/ Restructuring **Customer Base** Management & • and Actuarial Embezzlement & Interpretation Reviews Planning **Business Process** Management & Remediation Audits Compliance Misappropriation Re-engineering Contact Center Restructuring & Management Sarbanes-Oxley • Modeling. Fraudulent Claims • Expert Expense Integration Cost Management Management Pricing, Reserve Testimony Independent **ORSA** Containment Strategic Customer Change Estimation Intellectual Monitorships Board Asbestos Communication Management Experience Effectiveness Environmental & Predictive **Property** Internal Liquidation & Knowledge **Improvement Trial Services** Investigations Financial Crime & Mass Tort **Analytics** Receivership Management Campaign Pension Plan BSA/AML Forensic Ponzi Schemes Third Party People Management Strategy and Restructuring Investigations Political and Sanctions Risk Vendor Process Management Omni Channel Development Corruption Risk Pension Early Dispute Assessments Improvement Exit Strategy Effectiveness Resolution Valuation **Assessments** Regulatory **Business** Management U.S. Foreign Pricing & Damage Change Transfers and **Predictive Enterprise Data** Corrupt Practices Ratemaking Analysis Programs Schemes of **Analytics** Management Reinsurance Assisting Act Captive Arrangement Enterprise Data Customer Retirement Plan Witness **UK Bribery Act** Operating Advisory Segmentation & Strategy **Alternative** Whistleblower Sponsor Risk Preparation Model and Feasibility Data Management Lifetime Value Risk Financing Allegations **Assessment** Assessment Strategy Organization Campaign Services Structures Funding / Tax Captive and of Opposing Design **Business Analytics** Business Resilience Claims Cost Alternative Expert Compliance & Channel Intelligence & Capital Modeling Market Advisory Testimony Operations Analytics Propensity Management Enterprise Risk FATCA & FCPA Services Effective Churn Analytics Information Management Risk Transfer Presentations Cross / Up Sell Merger and Risk Governance Strategic to Judges. Analytics Acquisition Cybersecurity Financial Juries and Credit Risk & Technology - Governance Assessment and Arbitrators Fraud Analytics Services - Readiness Risk Analysis Claims Analytics Data and Assessment Implementation Workflow Information - Data Breach & Support -**Analytics** Security - Response Services Actuarial & Cost Variance **Modeling Tools** & Anomaly Detection

### FTI Consulting Global Insurance Services Leadership:

### **Paul Braithwaite** Senior Managing Director Co-Leader of GIS

+1 212 499 3659

### **Wendy Shapss**

Senior Managing Director Co-Leader of GIS Paul.Braithwaite@fticonsulting.com Wendy.Shapss@fticonsulting.com +1 212 841 9374

#### **Mark Higgins**

Senior Managing Director Leader of Performance Analytics Mark.Higgins@fticonsulting.com +353 01 672 9025

### Jim Wrynn

Senior Managing Director Leader of Governance, Risk and Compliance Jim.Wrynn@fticonsulting.com +1 212 247 1010

### About FTI Consulting

www.fticonsulting.com

