MAKING WAVES:
Health IT Dives Into Data Lakes

To speed their transition to value-based care, healthcare leaders are investing in next-generation predictive analytics and data lakes – a powerful data architecture with a unified location for mining and analysis by clinical departments, business analysts, and data science teams.

The Clock is Ticking

HHS says Medicare payments will shift from volume-based to value-based care reimbursement models:[1]

30% by end of **2016**

50% by end of **2018**

Treading Water

Global Healthcare Leaders Say:

We're not able to act in real time [2]
81%

We're not able to drive actionable results [3]
40%

Big Change Waves Ahead

84% of healthcare executives say providers who adopt an analytics strategy in the next three years will outpace their peer institutions[4]

Projected total savings opportunity from digital health initiatives of **$305 billion**[5]

Smooth Sailing for Some

54% of health IT leaders who spent 1-5% of their operating budget on analytics reported success within financial and clinical management[6]

Healthcare Leaders Predict Big Data Analytics Impact:[7]

59% Better clinical outcomes and patient satisfaction scores

56% Reduction in patient wait times and length of stay

54% Improvement in diagnostic speed and confidence

Where Can Predictive Analytics Make a Splash?

Operational Efficiencies
Intelligent staffing/patient acuity, readmissions, CMS metrics

Patient Care Delivery
Data-driven medicine, anywhere, anytime

Population Health
Risk stratification, proactive disease management

Clinical Research
Genomics, precision medicine

Security Analytics
Protect from cyber threats

Steps to Navigate a Healthcare Data Lake
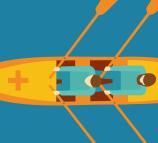
1 Develop big data analytics vision and roadmap

2 Work with multidisciplinary team to prioritize use cases

3 Capture internal and trusted external data sources

4 Execute proof-of-value project

5 Align business, clinical, and IT requirements to optimize data lake infrastructure

1 Source: U.S. Department of Health and Human Services http://1.usa.gov/1QhLv5b
2 Source: Vanson Bourne, The Information Generation in Healthcare
3 Source: Vanson Bourne, The Information Dineration in Healthcare
4 Source: Accenture Industrial Internet Insights Report (page 18) http://bit.ly/1O5Mb94
5 Source: 2015 Goldman Sachs study, The Digital Revolution Comes to US Healthcare (page 4, 13) http://bit.ly/1MzFRdL
6 Source: Deloitte Health System Analytics (page 6) http://bit.ly/1ORmbQO
7 Source: Accenture Industrial Internet Insights Report (page 17) http://bit.ly/1O5Mb94