DATA FOUNDATION



workiva



Track 2: Modernizing Compliance Data for Efficiency and Transparency

Mark Reger, Former Deputy Controller, White House OMB, representing AGA Former @OMBPress



Panel 1: Transforming Federal Grant Reporting

Stephanie Endy, Representative, Federal Demonstration Partnership

Julia Lane, PhD, Professor Wagner School, NYU @nyuniversity

Yolanda Jones, Director, Grants Systems Modernization, HHS @HHSgov

Natalie Rico, Senior Policy Analyst, Management Controls and Assistance, OFFM, White House OMB @missnrico

Wagish Bhartiya, Senior Director of SaaS Business, REI Systems (moderator) @REI_Systems





Compliance Data Demo: How the Legal Entity Identifier Brings Clarity to Compliance

Srinivas Bangarbale, CDO, CFTC

@CFTC

Robin Doyle, Managing Director, Office of Regulatory Affairs, JP Morgan @jpmorgan

Steve Meizanis, Global Head, Bloomberg LEI (moderator)

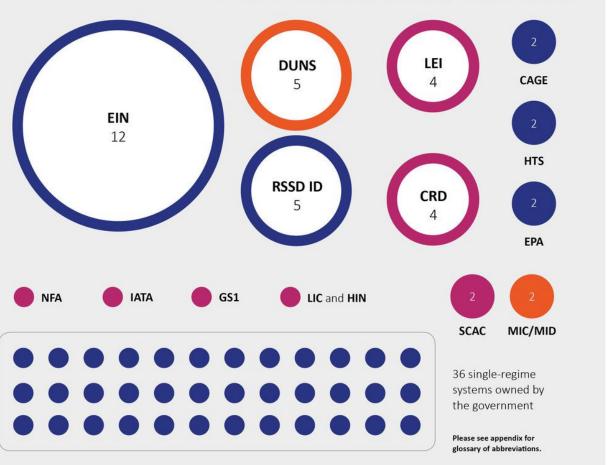
@Bloomberg

Bloomberg



50 distinct entity identification systems

Government ownership Non-profit ownership For-profit ownership



Using LEI to Connect the Dots

How the Legal Entity Identifier Brings Clarity to Compliance

Srinivas Bangarbale

Chief Data Officer Commodity Futures Trading Commission

October 10, 2018



Disclaimer

The views and content expressed in this presentation are those of the individual making the presentation and do not necessarily represent the views and positions of the Commodity Futures Trading Commission, its Commissioners or staff.

CFTC's mission

The mission of the Commodity Futures Trading Commission (CFTC) is to foster open, transparent, competitive, and financially sound markets. By working to avoid systemic risk, the Commission aims to protect market users and their funds, consumers, and the public from fraud, manipulation, and abusive practices related to derivatives and other products that are subject to the Commodity Exchange Act (CEA).

What CFTC's mission means

- Global markets regulation is no longer "our markets vs. their markets"
- Improve real-time understanding of markets and systemic risks
 common understanding of market and trade data essential
- Essential to connect dots across markets, participants and globally
- Need identifiers to knowing who (participant), what (product), when (time), where (venue/jurisdiction) and how (cleared/ uncleared/bilateral)

CFTC's use of identifiers in swaps data reporting

- Who (participant) LEI
- What (product) UPI (codified by CPMI/IOSCO)
- When (time) UTC (as codified by CPMI/IOSCO)
- Where (venue/ jurisdiction) ISO standard identifiers for jurisdictions
- How (cleared/ uncleared/ bilateral) Clearing Indicator (codified by CPMI/IOSCO)

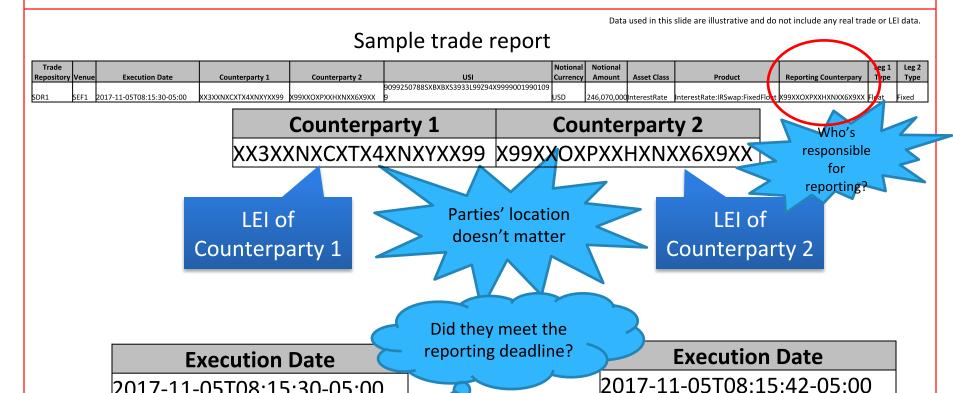
LEI for swaps at CFTC

Part 45 (and Part 46 for historical swaps)

§ 45.6 Legal entity identifiers

Each counterparty to any <u>swap</u> subject to the jurisdiction of the <u>Commission</u> shall be identified in all recordkeeping and all <u>swap</u> data reporting pursuant to this part by means of a single legal entity identifier as specified in this section.

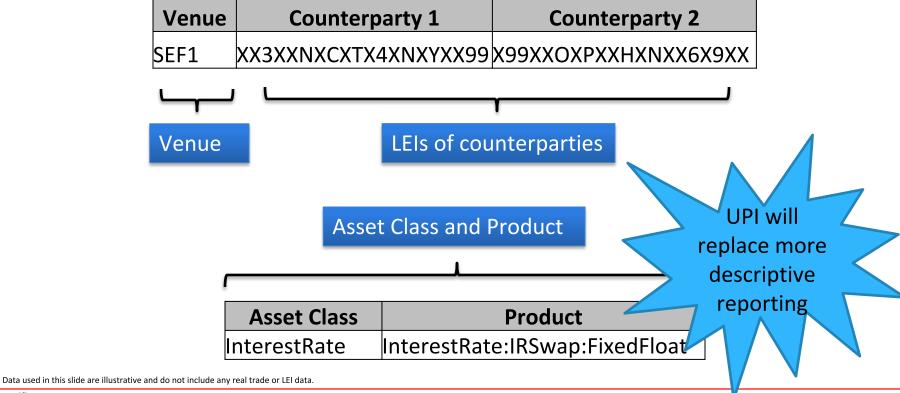
Who's trading, when traded and when reported?





2017-11-05T08:15:30-05:00

Who's trading, where and what?



How much risk are they aggregating?

ABC Corporation Anytown, OH

Will be replaced by global UTL

		Notional Value
Counterparty 1	USI	(\$)
XX3XXNXCXTX4XNXYXX99	9099250788SXBXBXS3933L99Z94X99990019901099	246,070,000
XX3XXNXCXTX4XNXYXX99	9099250788SXBXBXS3933L99Z94X99990019901100	750,000,000
XX3XXNXCXTX4XNXYXX99	9099250788SXBXBXS3933L99Z94X99990019901111	379,000
XX3XXNXCXTX4XNXYXX99	9099250788SXBXBXS3933L99Z94X99990019901112	12,986,000
XX3XXNXCXTX4XNXYXX99	9099250788SXBXBXS3933L99Z94X99990019901113	24,934,000
	Total:	1,034,369,000

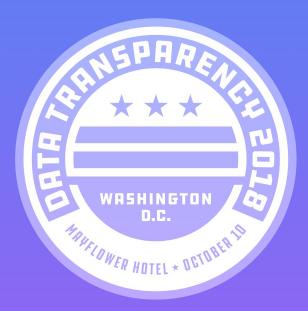
Data used in this slide are illustrative and do not include any real trade or LEI data.



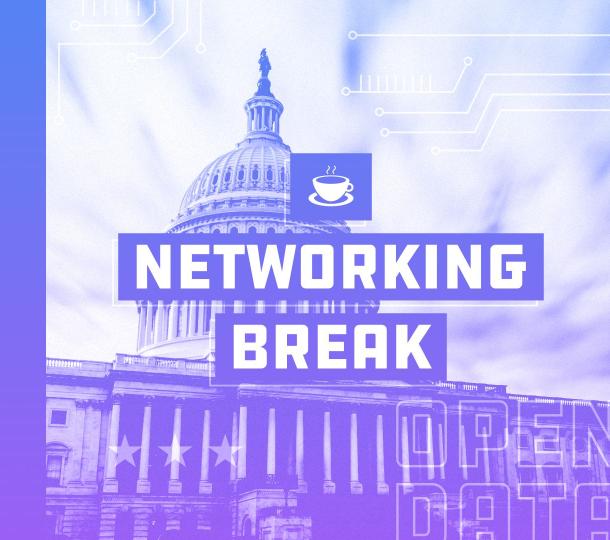
Identifiers are essential to connect the dots

- Identifiers are essential for data to be successfully used in regulation
- Without identifiers data will remain in silos and regulators will be hard-pressed to connect the dots
- LEI has been a lifesaver for the derivatives regulators in understanding activity in a market that is global in reach and vast in scope

DATA FOUNDATION



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Panel 2: Generating News From Compliance Data

Jo Guo, Data Director, Equity Data Methodology, Morningstar @MorningstarInc

Ken Romano, Product Director, Associated Press @kenromano

Steve Sternberg, Assistant Managing Editor for Health Initiatives, U.S. News and World Report

@StevenSternberg

Jonathan Elliott, Chief Operating Officer, RDG Filings (moderator) @rdgfilings





Generating News/ Research from Compliance Data



October 2018

Who We Are **Morningstar, Inc.**

Our mission is to create great products that help investors reach their financial goals.

We have about 5,000 employees in 27 countries worldwide, providing local market expertise.



Our clients range in size from individual investors all the way up to the world's top asset management firms.

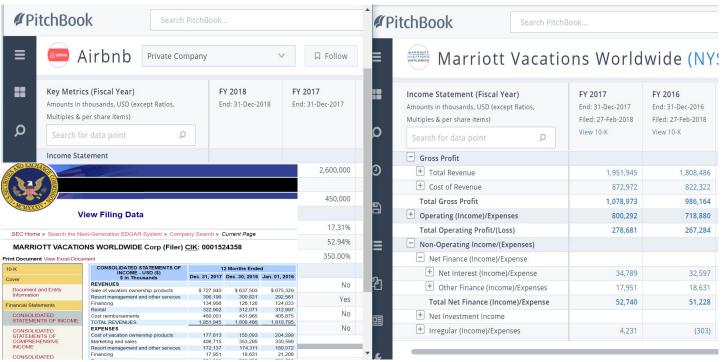


Data as of Mar. 31, 2018. Includes assets under management and advisement for Morningstar Investment Management LLC, Morningstar Investment Services LLC, Morningstar Investment Management Europe Ltd., Morningstar Investment Management South Africa (PTY) Ltd, and Ibbotson Associates Japan KK, all of which are subsidiaries of Morningstar, Inc. Advisory services listed are provided by one or more of these entities, which are authorized in the appropriate jurisdiction to provide such services.



News & Research from Financial Compliance Data







News & Research from Financial Compliance Data

Ford's Sales Dip In September Ahead Of 3rd Quarter Earnings

Seeking Alpha - Oct 7, 2018

Ford previously released second-quarter 2018 earnings which showed a quarterly revenue decrease of 2.4% down to \$38.9 billion, while ...



UnitedHealth Group (UNH) Q3 **Earnings** Preview: What to Know ... Yahoo Finance - 2 hours ago

The earnings report, which is expected to be released on October 16, ... to post quarterly earnings of \$3.30 per share in its upcoming report, ...

AZZ (AZZ) Q2 **Earnings** and Revenues Lag Estimates Zacks.com - 7 hours ago

View all



Is President Trump Right About Why **Quarterly Earnings** Reports Are ... Kiplinger's Personal Finance - Oct 4, 2018

When companies release forecasts of their upcoming quarterly earnings, which isn't required by the SEC, and then fail to hit that number, the ...



Earnings Preview: Delta Air Lines, Inc. Needs to Show Unit Revenue ... Motley Fool - 8 hours ago

This caused the company to narrow its **quarterly earnings**-per-share forecast to a range of \$1.70 to \$1.80: near the middle of the initial guidance ...



VOXX International (VOXX) to Release Quarterly Earnings on ...

Fairfield Current - 8 hours ago

VOXX International (NASDAQ:VOXX) is scheduled to issue its **quarterly earnings** data after the market closes on Wednesday, October 10th.



US Stocks Slip, Dragged Lower by Materials Sector

Wall Street Journal - 38 minutes ago

The warnings dashed some of the stock market's highflying expectations for companies' third-quarter results and extended the latest rough ...



Helen of Troy Profit Jumps on Strong Sales of Core Brands

Wall Street Journal - 5 hours ago

Second-quarter profit rose to \$44 million, or \$1.66 a share, compared with \$8.9 million, or 33 cents a share, a year earlier. Adjusted earnings ...

Baseball Daily Ne...



An Earnings Roadblock for Stocks

Wall Street Journal - Oct 3, 2018

Companies' third-quarter results should be very good. That doesn't mean they will be good enough for investors. **Earnings** season starts next ...



Bank Earnings: Expect Big Profits, But Buyer Beware

Wall Street Journal - 3 hours ago

Big U.S. banks are set to report their most profitable third **quarter** since the **financial** crisis. But underneath the blockbuster numbers are reasons ...



PPG Warns of Higher Costs, Weaker Demand Hurting Profit

Wall Street Journal - 20 hours ago

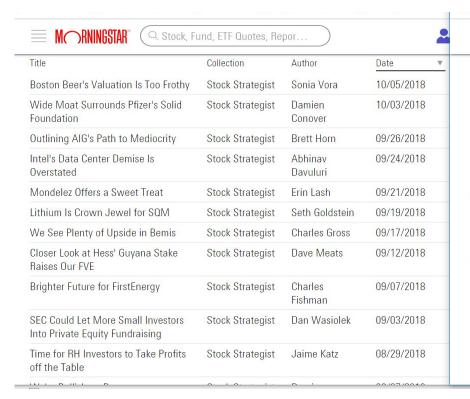
PPG Industries Inc. on Monday warned it expects to report weak third- and fourthquarter results, citing higher raw material costs along with ...

Source: Google Search



2

News & Research from Financial Compliance Data





Q Stock, Fund, ETF Quotes, Repor...



STOCK STRATEGIST

Boston Beer's Valuation Is Too Frothy

Sonia Vora > 05 Oct 2018



In Focus

↓ BUD

↓ HEINY
↓ SAM

↓ STZ ↓ TAP Boston Beer's (SAM) shares have rallied over the past year, up 72% versus a 16% decline for the brewers under our coverage and a 15% increase in the S&P 500 index. We attribute this recent strength to a recovery in the company's volume, with the first quarter of 2018 marking a return to depletion growth for the first time since the third quarter of 2015, thanks to the success of recent innovations like Sam '76, Angry Orchard Rosé Cider, and Truly Spiked & Sparkling.

While we agree that Boston Beer's near-term prospects appear more favorable, as evidenced by improving volume trends in the first half of the year (depletions were up 11% yersus down



News & Research from Compliance Data (8-K, Item 5.02) **Departure of Directors**

Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On October 1, 2018, General Electric Company ("GE" or the "Company") announced that the Board of Directors (the "GE Board") appointed H. Lawrence Culp. Jr., 55, as Chairman and Chief Executive Officer ("CEO"), effective September 30, 2018, Mr. Culp succeeds John L. Flannery, 57, who resigned from the GE Board on September 30, 2018.

Culp biography. Mr. Culp has been a director on the GE Board since April 25, 2018, and he served as Lead Director from June 26, 2018 until this appointment as Chairman and CEO. In addition to serving as Chairman and CEO of GE, Mr. Culp is a Senior Advisor at Bain Capital Private Equity (since 2017), a Senior Lecturer at Harvard Business School (since 2015) and a director of T. Rowe Price (since 2015). Before that, he was CEO and President of Danaher Corporation from 2000-2014 and a Senior Advisor there from 2014-2016. For more information, see Mr. Culp's biographical information on page 11 of GE's Definitive Proxy Statement for the 2018 Annual Meeting of Shareowners filed with the SEC on March 12, 2018 (the "2018 Proxy Statement"), which is incorporated herein by reference.

Compensation. In connection with Mr. Culp's appointment as CEO, the GE Board's Management De term setting forth the terms of Mr. Culp's compensation, which includes: (1) a base salary of \$2.500.0 units ("PSUs") that will have grant date fair values of \$15,000,000, beginning in 2019; (4) a one-time Culp without good reason, and subject to proration in certain events) as a number of GE shares range average closing price over 30 consecutive trading days during the four-year period from October 1, 2 to two times the sum of Mr. Culp's base salary and target annual bonus opportunity, in the event that adjusted to reflect the effects of any spin-off transactions, extraordinary dividends or changes in capil effect of a change of control of GE. Any amounts paid or benefits provided in connection with a termi a non-compete. For more information regarding the Company's annual bonus and equity award prog

The material terms of Mr. Flannery's separation agreement will be disclosed once they have been fin

Other changes on GE Board. The GE Board appointed Thomas W. Horton, 57, as Lead Director ar 2018 and will rotate off the GE Board's Audit Committee in connection with the changes. As a non-in

Caution Concerning Forward-Looking Statements:

This document contains "forward-looking statements" - that is, statements related to future events th future results to be materially different than those expressed in our forward-looking statements, see I 10-K and quarterly reports on Form 10-Q. We do not undertake to update our forward-looking statem



New CEO of General Electric resigns from board of T. Rowe Price

Baltimore Sun - 1 hour ago

H. Lawrence "Larry" Culp Jr. resigned from T. Rowe Price Group's board of directors, less than a week after he was named chairman and CEO ...



Why GE removed John Flannery as CEO after little more than a year

CNBC - Oct 1, 2018

General Electric's board of directors removed John Flannery as CEO due to frustration with the pace of his turnaround plan for the embattled ...

GE replaces CEO John Flannery: shares rise 15 percent USA TODAY - Oct 1, 2018

General Electric Changes Leadership

Seeking Alpha - Oct 1, 2018

GE Ousts CEO John Flannery in Surprise Move After Missed Targets

In-Depth - Wall Street Journal - Oct 1, 2018

GE Should Have Gone a Step Further Opinion - Bloomberg - Oct 1, 2018

General Electric, fallen icon of corporate stability, names first outsider ...

In-Depth - Washington Post - Oct 1, 2018















Seeking Alpha Boston Busine... Wall Street Jo... Washington P.

News & Research from Compliance Data (DEF 14A Proxy Statement)

Executive Compensation & Board Composition

Name & Principal Position	Year	Salary	Bonus	PSUs & RSUs	Stock Options	LTPAs	Pension & Deferred Comp.	All Other Comp.	SEC Total	Adjusted SEC Total**
John Flannery*	2017	\$1,737,500	\$0	N/A	\$2,076,000	\$0	\$3,255,222	\$1,931,881	\$9,000,603	\$5,800,715
Chairman & CEO										
Jamie Miller* SVP & CFO	2017	\$1,335 <mark>,4</mark> 17	\$0	\$1,810,930	\$519,000	\$0	\$1,154,778	\$237,736	\$5,057,861	\$3,903,083
David Joyce*	2017	\$1,450,000	\$1,385,000	\$695,240	\$692,000	\$0	\$673,996	\$264,930	\$ 5, 1 61,166	\$4,487,170
Vice Chair & CEO, Aviation	2016	\$1,333,333	\$1,524,000	\$6,212,431	\$750,000	\$0	\$2,523,853	\$239,240	\$12,582,857	\$10,059,004
Jeff Immelt	2017	\$2,864,394	\$0	N/A	N/A	\$0	\$3,373,410	\$1,873,463	\$8,111,267	\$4,982,197
Former Chairman	2016	\$3,800,000	\$4,320,000	\$4,673,098	\$2,142,000	\$1,624,000	\$3,580,288	\$1, <mark>1</mark> 85,138	\$21,324,524	\$17,962,122
& CEO	2015	\$3,800,000	\$5,400,000	\$6,238,766	\$2,964,000	\$7,614,000	\$6,336,805	\$620,376	\$32,973,947	\$26,831,472
Jeff Bornstein	2017	\$1,775,000	\$0	\$8,140,971***	\$692,000	\$0	\$3,796,480	\$163,272	\$14,567,723***	\$10,835,590*
Former Vice Chair	2016	\$1,687,500	\$1,920,000	\$1,532,431	\$750,000	\$739,000	\$2,882,201	\$394,601	\$9,905,733	\$7,081,503
& CFO	2015	\$1,600,000	\$2,500,000	\$2,746,623	\$1,086,800	\$3,351,200	\$1,815,193	\$161,000	\$13,260,816	\$11,497,856
Beth Comstock*	2017	\$1,604,167	\$0	\$695,240	\$692,000	\$0	\$5,850,496	\$186,456	\$9,028,359	\$3,206,630
Former Vice Chair, Business Innovations	2016	\$1,500,000	\$1,248,000	\$6,210,931	\$750,000	\$549,600	\$2,045,801	\$175,054	\$12,479,386	\$10,459,690
John Rice	2017	\$2,800,000	\$0	\$695,240	\$692,000	\$0	\$2,552,260	\$1,137,866	\$7,877,366	\$5,586,117
Vice Chair,	2016	\$2,625,000	\$3,278,000	\$1,532,431	\$750,000	\$1,180,600	\$4,184,304	\$1,611,666	\$15,162,001	\$11,212,853

Source: GE DEF 14A



News & Research from Compliance Data (DEF 14A Proxy Statement)

Executive Compensation & Board Composition



By Greg Ryan – Law and Money Reporter, Boston Business Journal Aug 27, 2018, 4:00am

Some Fidelity Investments funds voted this spicompensation received by General Electric Cotop GE executives, according to regulatory filin

The funds registered their opposition through to f shareholders at GE (NYSE: GE) and other put year on their proxy ballots. "Say on pay" votes corporate boards gauge investor sentiment on a

Last year, Flannery earned \$9 million in salary, of compensation, according to GE's proxy filing executives at many other large companies. The listed in the proxy was former chief financial of brought in \$14.6 million.

Fidelity was in the minority on the pay question

Source: Boston Business Journal



New **GE** CEO Larry Culp signs stock-heavy contract worth up to \$300 \dots CNBC - Oct 5, 2018

Larry Culp, named **GE** chairman and CEO on Monday, will receive a ... was not turning around as quickly as its **board of directors** had hoped.



General Electric, fallen icon of corporate stability, names first outsider ...

Washington Post - Oct 1, 2018

(**GE's board** has 11 **directors** with Flannery's departure; the ... of cars issued to executives and announced a review of its **compensation** policies.

3 things to know about **GE's** new CEO Boston Business Journal - Oct 1, 2018

GE Abruptly Ousts CEO John Flannery, Replacing Him With Former ... Fortune - Oct 1, 2018

GE replaces CEO of 1 year; announces \$23 billion charge amid ... Danbury News Times - Oct 1, 2018

General Electric ousts its CEO as it seeks a path forward

In-Depth - Los Angeles Times - Oct 1, 2018

Source: Google Search



News & Research from Compliance Data (N-PX) Fund Voting



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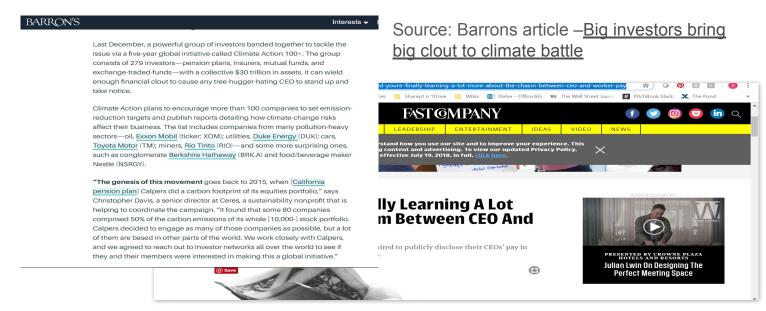
I WITH VOLCO III LITE INCOVO

- Outcry Triggers Funds to Reverse Stance on Gun Safety Emily Laermer, BoardIQ, September 13th, 2018
- Fidelity Funds Opposed GE Executives' Pay, Filings Show Greg Ryan, Boston Business Journal, August 27th, 2018
- Norges Bank and RBC back successful gender balance resolution at Constellation Software Carlos Tornero, Responsible Investor, May 4, 2018
- Climate Change: Big Investors Bring Big Clout to the Debate Lewis Braham, Barrons, April 17, 2018
- Revealed: You're Finally Learning A Lot More About The Chasm Between CEO And Worker Pay Bobbi Murray, Fast Company, April 10, 2018
- 10 Fund Shops Most Exposed to Guns Emily Laermer, BoardIQ, March 13, 2018
- BlackRock/Vanguard support two climate resolutions? Show me the money in 2018! Paul Hodgson, Responsible Investor, January 5, 2018
- Four Mutual Fund Giants Begin to Address Climate Change Risks in Proxy Votes: How About Your Funds? Rob Berridge, Ceres, December 17, 2017
- Why Wall Street's Finally Pushing to Add Women on Boards Laura Colby, Bloomberg Markets, December 6, 2017
- Sustainability Ratings Tell Half the Story Lewis Braham, Barrons, October 7, 2017
- The firm that brought us 'Fearless Girl' was underpaying women, U.S. government says Mary Hui, Wshington Post, October 6, 2017
- Bank Behind Fearless Girl Statue Settles Gender Pay Dispute Jordyn Holman, Bloomberg, October 5, 2017
- These 2 local firms got State Street's 'Fearless Girl' treatment Greg Ryan, Boston Business Journal, September 10, 2017
- How the firm behind the Fearless Girl statue quietly opposed gender equality Molly Redden, The Guardian, October 6, 2017
- Passive Investors Are the New Shareholder Activists Reshma Kapadia, Barron's, July 8, 2017
- <u>Mutual Fund Companies Have Significant Power to Increase Corporate Transparency, Public Citizen Report Shows</u> Public Citizen, Press Release, May 3, 2017
- Cashing In on Climate Change Moises Velasquez-Manoff, New York Times, December 3, 2016
- Principal tops rankings of proxy voting aligned with climate-risk mitigation issues Barry B. Burr. Pensions & Investments. November 2, 2016



News & Research from Compliance Data (N-PX) Insights on Environmental, Social and Governance Issues





Source: Fast Company



News & Research from Compliance Data – What Next

More identifiers and timeliness

Item 1. Proxy Voting Record

ABBOTT LABORATORIES Security ID: 002824100 Meeting Date: APR 27, 2018 Meeting Type: Annual Record Date: FEB 28, 2018 Proposal 1.1 Elect Director Robert J. Alpern 1.2 Elect Director Roxanne S. Austin 1.3 Elect Director Sally E. Blount 1.4 Elect Director Edward M. Liddy 1.5 Elect Director Nancy McKinstry 1.6 Elect Director Phebe N. Novakovic 1.7 Elect Director William A. Osborn 1.8 Elect Director Samuel C. Scott, III 1.9 Elect Director Daniel J. Starks 1.10 Elect Director John G. Stratton 1.11 Elect Director Glenn F. Tilton 1.12 Elect Director Miles D. White 2 Ratify Ernst & Young LLP as Auditors For

3 Advisory Vote to Ratify Named

Executive Officers' Compensation
4 Require Independent Board Chairman

Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On October 1, 2018, General Electric Company ("GE" or the "Company") announced that the Board of Directors (the "GE Board") appointed H. Lawrence Culp, Jr., 55, as Chairman and Chief Executive Officer ("CEO"), effective September 30, 2018. Mr. Culp succeeds John L. Flanneny, 57, who resigned from the GE Board on September 30, 2018.

Culp biography. Mr. Culp has been a director on the GE Board since April 25, 2018, and he served as Lead Director from June 26, 2018 until this appointment as Chairman and CEO. In addition to serving as Chairman and CEO of GE, Mr. Culp is a Senior Advisor at Bain Capital Private Equity (since 2017), a Senior Lecturer at Harvard Business School (since 2015) and a director of T. Rowe Price (since 2015). Before that, he was CEO and President of Danaher Corporation from 2000-2014 and a Senior Advisor there from 2014-2016. For more information, see Mr. Culp's biographical information on page 11 of GE's Definitive Proxy Statement for the 2018 Annual Meeting of Shareowners filed with the SEC on March 12, 2018 (the "2018 Proxy Statement"), which is incorporated herein by reference.

Compensation. In connection with Mr. Culp sappointment as CEO, the GE Board's Management Development and Compensation Committee ("MDCC") approved the Company's entry into an agreement with Mr. Culp with a four-year remains of the form of performance share units ("PSUs") that will pay out (except in the case of a termination of employment by the Company for cause or by Mr. Culp without good reason, and subject to proration in certain events) as a number of GE shares ranging from 2.5 million to 7.5 million or 7.5 million shares, based on a GE stock price appreciation target ranging from 50% to 150% using the highest average closing price over 30 consecutive trading days during the four-year period from October 1, 2016 to September 30, 2022, with no payout for stock price appreciation of employment as a number of GE shares ranging from 2.5 million to 7.5 million shares, based on a GE stock price appreciation target ranging from 50% to 150% using the highest average closing price over 30 consecutive trading days during the four-year period from October 1, 2016 to September 30, 2022, with no payout for stock price appreciation of tensor and to two times the sum of Mr. Culp share salary and farget annual bonus opportunity, in the event that his employment is terminated by the Company without cause or by Mr. Culp for good reason. The indocument award of PSUs will be defect of any spin-off transactions, extraordinary dividends or changes in capital structure that do not result in the receipt by the Company of reciprocal value. The agreement also will include terms addressing the effect of a change of control of GE. Any amounts paid or benefits provided in connection with a termination of employment are subject to Mr. Culp's execution of a release and compliance with customary employee covenants, including the form of performance share.

The material terms of Mr. Flannery's separation agreement will be disclosed once they have been finalized.

ther changes on GE Board. The GE Board appointed Thomas W. Horton, 57, as Lead Director and Chair of the MDCC, succeeding Mr. Culp in each of these roles. Mr. Horton has been a director on the GE Board since April 25, 2018 and will rotate off the GE Board's Audit Committee in connection with the changes. As a non-independent director, Mr. Culp will not serve on any of the Board's standing committees.

Caution Concerning Forward-Looking Statements:

Against

Entire document contains "forward-looking statements" – that is, statements related to future events that by their nature address matters that are, to different degrees, uncertain. For details on the uncertainties that may cause our actual future results to be materially different than those expressed in our forward-looking statements, see http://www.ge.com/investor-relations/disclaimer-caution-concerning-forward-looking-statements as well as our annual reports on Form 10-Q. We do not undertake to update our forward-looking statements.





Your mother is having surgery

Do you pick the small hospital with the quiet rooms?

Or a big, noisy academic medical center?

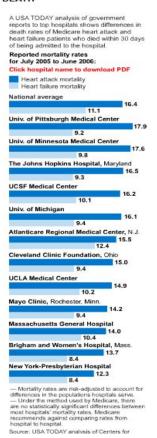
Not every hospital is a Best Hospital



"Economics is at heart a narrative art, a frame across which data points are woven into stories about how the world works."

Nathan Heller, The New Yorker

■ THE GEOGRAPHY OF LIFE AND DEATH





The Geography of Life and Death The First Hospital Death Rates 5/24/2007

Does where you live determine if you'll live?

By Steve Sternberg and Anthony DeBarros, USA TODAY

NEW HAVEN, Conn. — At 8:35 a.m. on Good Friday, paramedics raced Eugene Cummiskey into Yale-New Haven Hospital in a real-world test of the hospital's response

to a heart attack.

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Doctors found that the 76-year-old had a blockage in an artery so vital to the heart that they call it the "widow maker."

Within minutes, orderlies whisked him to the angioplasty suite, where doctors cleared his artery from within by inflating a tiny balloon. "It was like a crack military Special Ops unit," Cummiskey says. "A lot of precision."

Now recovering at home, the retired prep school administrator from Guilford, Conn., owes his life as much to geography as to his doctors.

QUALITY REPORTS: Transparency provides a better look at health care

He lives within minutes of Yale-New Haven, which has one of the nation's lowest heart attack death rates, according to confidential data obtained by USA TODAY from a Medicare analysis of death rates at more than 4,000 hospitals.

Cummiskey couldn't have known he'd be in such good hands. Hospital death rates are among the best-kept secrets in American medicine. The Internet may be crowded with consumer information, from school report cards to airline safety records, but death rates for most hospitals are still as closely guarded as the formulas for Kentucky Fried Chicken and Coke.

That will begin to change in June, when the Centers for Medicare and Medicaid Services (CMS) plans to post the first broad comparison of the death rates for heart attack and heart failure on its website, Hospital Compare (hospitalcompare.hhs.gov).

Data speak volumes

	1			-					
						- Company			
						Relative	Low	High	
		Number		Observed	Expected	Risk - 30-	99.8%	99.8%	
		of		30-day	30-day	day	Control	Control	99.8% Control
Basket Name	Volume Quintile	Hospitals	Volume	M ortality	Mortality	Mortality	Limits	Limits	Lim it Band
CABG (Uncomplicated)	Low Volume	124	1538	3 7	26.97	137.20	50.84	174.98	Within Expected
CABG (Uncom plicated)	1	207	7898	155	134.78	115.00	75.48	129.59	Within Expected
CABG (Uncomplicated)	2	216	13703	276	232.40	118.76	80.95	121.98	Within Expected
CABG (Uncom plicated)	3	212	20063	3 7 7	334.12	112.83	83.94	118.09	Within Expected
CABG (Uncom plicated)	4	215	30265	597	508.65	117.37	86.86	114.47	Above Expected
CABG (Uncom plicated)	5	212	55486	862	923.00	93.39	90.14	110.59	Within Expected
Hip Replacement	Low Volume	1071	10686	163	91.82	177.53	70.82	136.64	Above Expected
Hip Replacem ent	1	451	15736	167	113.18	147.55	73.45	132.59	Above Expected
Hip Replacem ent	2	440	26894	289	187.58	154.07	78.95	124.68	Above Expected
Hip Replacem ent	3	446	45800	389	307.66	126.44	83.30	118.90	Above Expected
Hip Replacement	4	448	79095	538	488.09	110.22	86.59	114.79	Within Expected
Hip Replacement	5	445	191469	950	1112.34	85.41	90.99	109.62	Below Expected
Knee Replacement	Low Volume	608	6707	33	16.03	205.89	40.07	203.79	Above Expected
Knee Replacement	1	557	23747	9 4	56.32	166.89	63.82	148.42	Above Expected
Knee Replacement	2	564	53440	1 4 9	127.32	117.03	74.83	130.53	Within Expected
Knee Replacement	3	558	101161	269	236.67	113.66	81.11	121.76	Within Expected
Knee Replacement	4	557	183225	453	432.53	104.73	85.80	115.77	Within Expected
Knee Replacement	5	561	451121	1021	1053.72	96.89	90.75	109.89	Within Expected
·									,
COPD	Low Volume	558	7174	556	439.60	126.48	85.91	115.63	Above Expected
COPD	1	792	3 4 1 8 1	2486	1978.48	125.65	93.20	107.14	Above Expected
COPD	2	786	71369	4509	4076.20	110.62	95.23	104.94	Above Expected
COPD	3	782	128664	7714	7454.13	103.49	96.46	103.63	Within Expected
COPD	4	787	221418	13104	13080.26	100.18	97.32	102.73	Within Expected
COPD	5	786	457220	26201	27268.68	96.08	98.14	101.89	Below Expected
						l			
Heart Failure	Low Volume	396	4626	607	575.60	105.46	87.61	113.56	Within Expected
Heart Failure	1	824	36711	5062	4377.79	115.63	95.39	104.76	Above Expected
Heart Failure	2	819	83880	10620	9721.59	109.24	96.90	103.17	Above Expected
Heart Failure	3	817	166021	19960	18755.34	106.42	97.76	102.28	Above Expected
Heart Failure	4	820	336993	37718	38181.24	98.79	98.43	101.59	Within Expected
Heart Failure	5	820	771436	81636	87645.89	93.14	98.96	101.05	Below Expected

Risks Are High at Low-Volume Hospitals

Patients at thousands of hospitals face greater risks from common operations, simply because the surgical teams don't get enough practice.

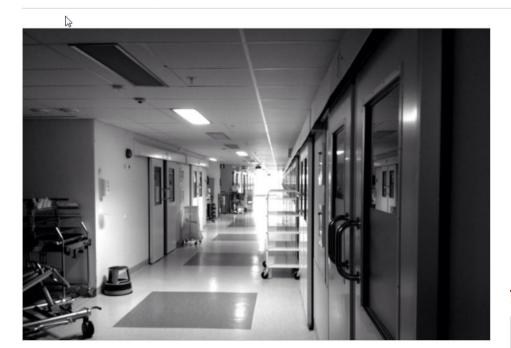
By Steve Sternberg and Geoff Dougherty May 18, 2015, at 12:01 a.m.











As many as 11,000 deaths may have been prevented between 2010 and 2012 if patients who went to the lowest-volume fifth of the hospitals had gone to the highest-volume fifth. GETTY IMAGES/EYEEM

LIKE OTHER HOSPITALS IN thinly populated areas, Sterling Regional Medical Center does a bit of everything. The 25-bed Colorado hospital has its own heliport, delivers about 200 babies a year





RECOMMENDED

BEST COUNTRIES

How the U.K. and Canada View the U.S.



POLITICS

Americans Name Obama Best President



More Cases, Fewer Deaths: Hip Replacement



SECTION 3A: HOSPITAL AND SURGEON VOLUME STANDARD

Based on minimum hospital and surgeon volume standards first published in 2015 by researchers at Dartmouth-Hitchcock Medical Center, Michigan Medicine (University of Michigan) and Johns Hopkins Medicine, as well as information collected in 2017 from the Leapfrog Hospital Survey, <u>peer-reviewed literature</u>, and consultation with national experts, Leapfrog is implementing the following hospital and surgeon volume standards for 2018:

Procedure	Hospital Volume (minimum per 12-months or 24- month annual average)	Surgeon Volume (minimum per 12-months or 24 month annual average)
Bariatric surgery for weight loss	50	20
Esophageal resection for cancer	20	7
Lung resection for cancer	40	15
Pancreatic resection for cancer	20	10
Rectal cancer surgery	16	6
Carotid endarterectomy	20	10
Open abdominal aortic aneurysm repair	15	10
Mitral valve repair and replacement	40	20

codes on the Survey and CPOE Materials webpage beginning April 1.

In addition, the list of high-risk procedures has been reduced from ten to eight. Leapfrog has eliminated total hip and total knee replacement for the 2018 Survey to allow for additional time in finalizing the recommended hospital and surgeon volume standards.

Hospitals will be asked to report on their total hospital volume over a 12-month period or their annual average over a 24-month period based on updated procedures and diagnosis codes that include several recommendations from participating hospitals and health systems. Hospitals can download an Excel Workbook which includes the list of procedure and diagnosis

We are removing the individual surgeon volume questions due to the challenges hospitals reported in obtaining accurate volume data on surgeons that perform that surgery at multiple facilities. Instead, hospitals will be asked whether their process for privileging surgeons requires that the surgeon meet or exceed the minimum surgeon volume standards listed in the table above. See the updated questions below:

STS Public Reporting Online





Public Reporting is available for three of the STS National Database components:

Adult Cardiac Surgery Database (ACSD)

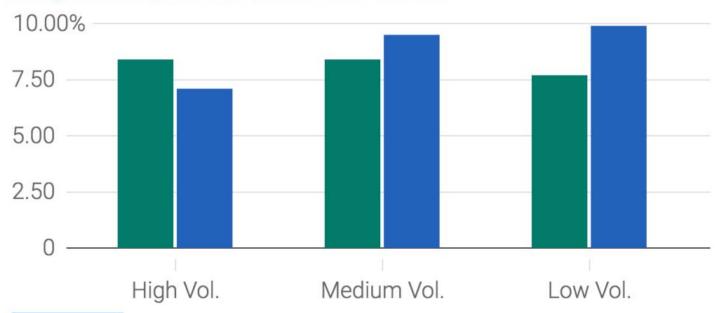
Congenital Heart Surgery Database (CHSD)

General Thoracic Surgery Database (GTSD)



Hospital Volume Linked to Death Rates

■ Expected Death Rate ■ Actual Death Rate





Data: The Society of Thoracic Surgeons; Johns Hopkins Medicine (2011-2015)

Safety in Numbers: Low Volumes at Military Hospitals Imperil Patients

With few opportunities to hone their skills, military surgeons are inadvertently putting certain patients at risk for adverse outcomes.

By Steve Sternberg and Lindsay Huth April 19, 2018, at 12:00 p.m.

U.S. News data shows that, in 2016 alone, surgeons performed three or fewer rectal cancer procedures at 25 military treatment facilities from William Beaumont Medical Center in El Paso, Texas, to Evans Army Community Hospital in Fort Carson, Colorado. (GETTY IMAGES)

SURGEONS IN EVERY branch of service in military hospitals worldwide perform complex, high-risk operations on active-duty personnel, their family members and some retirees in such small numbers that they may put patients at risk, a U.S. News & World Report investigation has found.

Mili ary Hospitals Across the Country Perform High-Risk Surgeries in Low Numbers

Decades of research show that performing too few surgeries endangers the patients that hospitals serve. And at military hospitals nationwide, counts of high-risk procedures performed fell far below safety thresholds in 2016.

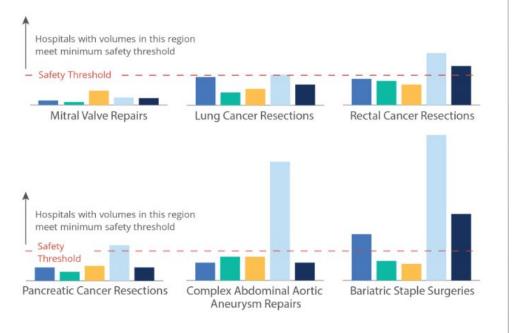


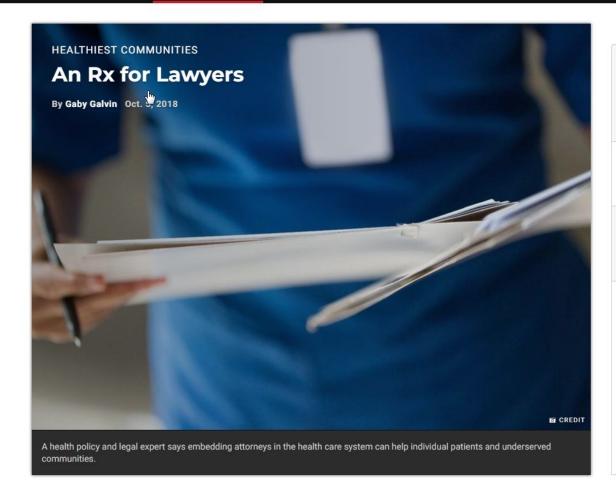
Even Big Military Hospitals Often Perform Surgeries Below Safety Thresholds

Military officials say they're concentrating surgeries at larger hospitals to reduce risk. But at the five largest military hospitals, many procedures were still performed in unsafe numbers in 2016.

Naval Medical Center
San Diego
Tripler Army Medical Center
Walter Reed National
Military Medical Center
San Antonio Military
Medical Center
Naval Medical Center
Portsmouth

Hospital Volumes for Most Procedures Fell Below Safety Thresholds







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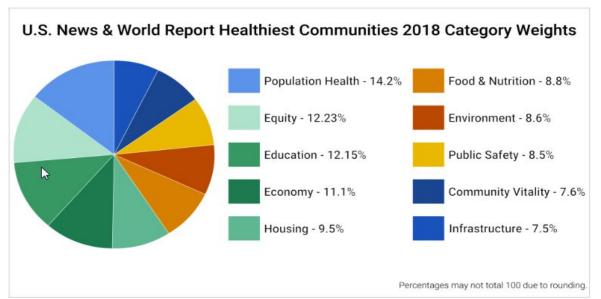


Overall Rankings

- #1 Falls Church city Virginia
- #2 Douglas County Colorado
- #3 Broomfield County Colorado
- #4 Los Alamos County New Mexico

SEE THE FULL RANKINGS »





See below for a full list of the 80 individual metrics used.

Collecting the Data

U.S. News collaborated with the University of Missouri Center for Applied Research and Engagement Systems (CARES) – a research institution skilled in understanding natural resource systems, public health risks and community health assessment – to collect and analyze data.

Panel 3: Compliance Data to Empower Financial Markets

Dan Doney, CEO, Securrency

@Securrency

Chris Taggart, CEO, OpenCorporates

@CountCulture

Dave Lindsay, CEO, Delv

@delvglobal

John Truzzolino, Director of Business Development, Donnelley Financial Solutions (moderator)

@donnelleyfin





Closing Remarks

Reconvene in Grand Ballroom

