FRISK® Score Predicts Recent Bankruptcies

January 2017 - December 2019



Our research indicates that public companies account for more than half of the worldwide dollars at risk.

Since the start of 2017, the FRISK® score's rate of success in capturing public company bankruptcy is 96%: 139 identified out of 145 bankruptcies. In any given year, you can count on one hand the times we miss and in those outlier cases, the circumstances deal with unusual, unforeseen events such as natural disasters and CEO fraud.



RATE OF SUCCESS: 96% Of 145 bankruptcies, 139 companies had a recent FRISK® score prior to bankruptcy. We failed to warn 5 times.

		AVERAGE MONTHLY FRISK® SCORE IN YEAR PRIOR TO BANKRUPTCY											FRISK®	BANKRUPTCY	
BUSINESS NAME	COUNTRY	-12 MOS.	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 M0.	AT FILING	DATE
Melinta Therapeutics Inc	U.S.	2	2	2	2	2	2	2	2	2	2	2	1	1	12/27/2019
Lydian International Ltd.	U.S.	2	2	2	2	2	2	2	1	2	2	2	2	2	12/23/2019
Granite City Food & Brewery Ltd	U.S.	2	2	2	2	2	2	2	2	2	2	2	2	2	12/16/2019
Generation Next Franchise Brands Inc	U.S.	2	2	2	2	2	1	1	1	1	1	3	3	4	12/15/2019
Approach Resources Inc.	U.S.	3	2	2	2	2	2	2	1	1	1	2	2	2	11/18/2019
Dean Foods Co	U.S.	2	1	2	2	1	1	1	1	1	1	1	1	1	11/12/2019
Nuvectra Corp	U.S.	7	7	7	7	6	6	3	3	2	2	2	2	2	11/12/2019
Zenergy Brands Inc	U.S.	3	3	3	3	3	3	4	3	3	3	3	3	3	10/24/2019
Nobilis Health Corp.	U.S.	4	2	2	3	3	2	2	2	2	2	2	2		10/21/2019
Destination Maternity Corp	U.S.	3	2	3	3	3	3	3	2	1	1	1	1	1	10/21/2019
EP Energy LLC	U.S.	- 1	1	1	1	1	1	1	1	1	1	1	1	1	10/3/2019
EP Energy Corporation	U.S.	2	2	2	2	2	1	1	1						10/3/2019
Renewable Energy and Power Inc	U.S.			3	3	3	3	3	5	5	5	5	3	4	9/19/2019
Sienna Biopharmaceuticals Inc	U.S.	5	4	4	2	2	2	2	2	2	2	2	2	2	9/16/2019
Alta Mesa Resources Inc	U.S.								2	1	2	2	1	1	9/11/2019
Fred's, Inc.	U.S.	1	2	3	2	3	3	3	2	2	1	1	1	1	9/9/2019
PetroShare Corp	U.S.	3	3	2	2	3	3	2	2	1	1	1	1	1	9/4/2019
RAIT Financial Trust	U.S.	3	3	3	3	3	3	4	3	3	3	3	3	4	8/30/2019
Dougherty's Pharmacy Inc	U.S.	4	4	4	4	4	4	4	4	5	6	5	5	6	8/28/2019
Sanchez Energy Corp	U.S.	2	1	1	1	1	1	1	1	1	1	1	1	1	8/11/2019
Halcon Resources Corp	U.S.	4	4	3	3	2	1	1	2	2	1	1	1	1	8/7/2019

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			AVE	FRISK®	BANKRUPTCY										
BUSINESS NAME	COUNTRY	-12 MOS.	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 M0.	AT FILING	DATE
iPic Entertainment Inc	U.S.	2	2	2	2	2	2	2	2	2	1	1	2	1	8/5/2019
Airxpanders Inc	U.S.	2	3	3	3	5	5	5	5	5	5	2	2	2	7/24/2019
Emerge Energy Services LP	U.S.	6	6	4	3	3	2	3	2	2	2	1	1	1	7/15/2019
Weatherford International plc	U.S.	3	2	2	1	1	1	1	1	2	2	1	2	2	7/1/2019
Monitronics International Inc	U.S.	3	1	1	1	1	1	1	1	1	1	1	1	1	6/30/2019
Legacy Reserves Inc.	U.S.	2	2	2	2	2	1	1	1	1	1	1	1	1	6/18/2019
Insys Therapeutics Inc	U.S.	3	3	3	3	3	3	2	2	3	3	3	1	1	6/10/2019
GUE Liquidation Companies Inc (FKA FTD Companies, Inc.)	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	6/3/2019
Fusion Connect Inc	U.S.	4	4	3	2	3	3	2	1	2	2	1	1	1	6/3/2019
Bristow Group Inc.	U.S.	5	5	5	5	5	5	2	2	2	1	1	1	1	5/11/2019
Cloud Peak Energy Inc.	U.S.	5	6	5	5	4	3	1	1	1	2	1	1	1	5/10/2019
Kona Grill Inc	U.S.	1	3	3	2	2	1	2	3	2	2	2	2	1	4/30/2019
Achaogen Inc	U.S.	4	6	5	5	4	3	2	1	1	1	1	1	1	4/15/2019
Jones Energy, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	4/14/2019
Southcross Energy Partners LP	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	4/1/2019
Hexion Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	4/1/2019
OPP Liquidating Company Inc (FKA Orchids Paper Products Company)	U.S.	2	2	1	2	2	1	1	1	1	1	1	1	1	4/1/2019
Grizzly Energy LLC	U.S.							2	2	1	1	1	1	1	3/31/2019
Mabvax Therapeutics Holdings Inc	U.S.	3	3	3	3	3	3	3							3/21/2019
PHI Inc.	U.S.	5	5	4	4	4	4	3	1	1	1	1	1	1	3/14/2019
Windstream Holdings Inc	U.S.	1	1	1	1	1	1	1	2	1	1	1	1	1	2/25/2019

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BUSINESS NAME	COUNTRY	-12 MOS.	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 M0.	AT FILING	DATE
Tri Harbor Holdings Corporation	U.S.	4	4	3	2	2	2	1	1	1	1	1	1	1	2/19/2019
Pernix Therapeutics Holdings, Inc.	U.S.	2	2	2	2	2	2	1	1	1	1	1	1	2	2/18/2019
Immune Pharmaceuticals Inc	U.S.	1	1	3	2	1	2	2	1	1	1	1	1	1	2/17/2019
Aradigm Corporation	U.S.	3	3	3	3	3	3	3	3	3	3	3	3	3	2/15/2019
Ditech Holding Corp	U.S.								1	1	1	1	1		2/11/2019
Pacific Gas & Electric Company	U.S.	8	5	6	6	6	5	4	4	5	5	6	6	1	1/29/2019
PG&E Corporation	U.S.	7	6	7	7	7	6	6	6	6	7	5	5	1	1/29/2019
Ecosphere Technologies, Inc.	U.S.	3	3	3	3	3	3	3	3	3	3	3	3	3	12/21/2018
Parker Drilling Co	U.S.	2	1	1	1	1	1	1	1	1	1	1	1	1	12/12/2018
Synergy Pharmaceuticals Inc.	U.S.	4	4	4	3	3	3	3	3	4	4	2	1	1	12/12/2018
Bakken Resources, Inc.	U.S.	7	7	7	7	7	7	7	7	7	7	7	7	7	12/7/2018
Argos Therapeutics, Inc.	U.S.	1	1	1	1	1	1	1	1	1	3	3	3	3	11/30/2018
Petroquest Energy, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	2	2	2	11/6/2018
Gastar Exploration Inc	U.S.	2	3	3	3	2	2	2	3	3	1	1	1	1	10/31/2018
Zyla Life Sciences	U.S.	1	2	1	2	1	1	2	2	2	1	2	1	1	10/30/2018
Rockies Region 2006 Limited Partnership	U.S.	3	3					3	3	3	3	3	3	3	10/30/2018
Alliance BioEnergy + Inc	U.S.	4	4	4	4	4	4	3	3	3	3	3	3	3	10/22/2018
Sears Holdings Corp	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	10/15/2018
AG&E Holdings Inc.	U.S.	5	5	5	5	5	5	4	4	4	4	3	3	3	10/15/2018
Westmoreland Coal Company	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	10/9/2018
Westmoreland Resource Partners LP	U.S.	1	2	2	2	2	1	1	2	2	2	2	2	2	10/9/2018

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BUSINESS NAME	COUNTRY	-12 MOS.	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 M0.	AT FILING	DATE
Hooper Holmes, Inc.	U.S.	2	1	1	1	1	1	2	2	1	1	1	1	1	8/27/2018
Axion Power International, Inc.	U.S.	3	3	3	3	3	3	3	3						8/10/2018
ActiveCare, Inc.	U.S.	2	2	2	2	2	2	2	2	2	2	2	2		7/15/2018
Tintri Inc	U.S.	2	1	2	1	1	2	1	1	1	1	1	1	1	7/10/2018
JRjr33 Inc	U.S.	2	2	2	1	1	1	1	1	1	1	1	1	1	6/29/2018
Rex Energy Corporation	U.S.	2	2	2	1	2	1	1	1	1	1	1	1	1	5/18/2018
BioAmber Inc.	U.S.	3	3	3	1	2	2	2	2	2	2	2	1	1	5/4/2018
CSA Holdings, Inc.	U.S.								3	4	4	4	4	4	4/30/2018
Erin Energy Corp	U.S.	3	2	2	2	2	2	2	2	2	2	2	3	2	4/25/2018
STG Group Inc	U.S.	2	2	3	3	2	2	1	1	2	2	1	2	1	4/19/2018
Harvest Oil & Gas Corp	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	4/2/2018
FirstEnergy Solutions Corp.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	3/31/2018
Remington Outdoor Company, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	3/25/2018
Claire's Stores Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	3/19/2018
iHeartMedia Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	3/14/2018
iHeartCommunications Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	3/14/2018
Orexigen Therapeutics, Inc.	U.S.	3	4	3	3	2	2	2	2	3	1	1	1	1	3/12/2018
Great Basin Scientific Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	3/5/2018
Tops Holding II Corp	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	2/21/2018
Star Mountain Resources, Inc.	U.S.	2	2	1	1	1	1	1	2	2	2	1	1		2/21/2018
Bon-Ton Stores Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	2/4/2018

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Cenveo, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	2/2/2018
Carrier & Technology Solutions, LLC	U.S.							3	3	3	3	3	3	3	1/30/2018
Rand Logistics, Inc.	U.S.	3	3	3	3	2	2	1	2	2	2	2	1	1	1/29/2018
Enumeral Biomedical Holdings, Inc.	U.S.	3	3	3	5	4	4	4	4						1/29/2018
EXCO Resources Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	1/15/2018
Hyperdynamics Corporation	U.S.	4	5	5	4	4	4	4	4	4	4	4	2	2	12/22/2017
Rentech, Inc.	U.S.	4	4	3	2	2	2	2	2	2	2	1	1	1	12/19/2017
Cobalt International Energy, Inc.	U.S.	1	2	2	1	1	1	1	1	1	1	1	1	1	12/14/2017
The JG Wentworth Co.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	12/12/2017
Global Brokerage Inc	U.S.	2	2	2	2	1	1	1	1	1	1	1	1	1	12/11/2017
PZ Wind Down Inc. (FKA PhaseRx, Inc.)	U.S.					5	5	5	5	4	4	4	3	3	12/11/2017
Dex Liquidating Co. (FKA Dextera Surgical Inc.)	U.S.	4	4	4	4	4	3	3	3	3	3	3	2	2	12/11/2017
Protea Biosciences Group Inc	U.S.	2	2	2	2	2	2	2	2	2	2	2	2	2	12/1/2017
Cumulus Media Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	11/29/2017
Elah Holdings Inc	U.S.	2	3	2	1	1	1	1	2	1	1	1	1	1	11/17/2017
Armstrong Energy, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	11/1/2017
Point.360	U.S.	2	2	2	2	3	3	3	3	3	3	3	3	3	10/10/2017
Paperweight Development Corp.	U.S.	3	3	3	3	3	3	3	3	3	3	3	3		10/1/2017
COPsync Inc	U.S.	3	3	2	2	2	2	2	2	2	2	2	2	2	9/29/2017
Toys R US Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	9/19/2017
ICPW Liquidation Corp (FKA Ironclad Performance Wear Corporation)	U.S.	6	6	5	5	5	5	5	5	4	4	4			9/8/2017

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Uni-Pixel Inc	U.S.	8	9	7	5	5	3	3	3	2	2	2	2	2	8/30/2017
Perfumania Holdings, Inc.	U.S.	4	5	5	4	3	2	3	3	2	3	4	3	3	8/26/2017
Hinto Energy Inc	U.S.	3	3	3	3	3									8/16/2017
Crossroads Systems Inc	U.S.	5	5	5	5	5	5	5	5	5	6	6	6	6	8/13/2017
Peekay Boutiques Inc	U.S.	2	2	2	2	2	2	2	2	2	2	2	2	2	8/10/2017
TerraVia Holdings, Inc.	U.S.	3	3	3	3	2	2	2	2	1	1	1	1	1	8/2/2017
Quadrant 4 System Corp	U.S.	4	4	4	4	4	4	3							6/29/2017
Franchise Services of North America Inc.	U.S.	4	4	4	4	4	4	4	4	3	3	3	3	3	6/26/2017
Aina Le'a Inc	U.S.	2	2	2	2	2	2	2	2	2	2	2	2	2	6/22/2017
Foundation Healthcare, Inc.	U.S.	3	3	2	1	1	1	1	1	1	1	1	1	1	6/21/2017
AM Castle & Co	U.S.	2	2	3	2	1	1	2	2	2	1	1	1	1	6/18/2017
GenOn Americas Generation LLC	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	6/14/2017
GenOn Energy, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	6/14/2017
Soupman Inc	U.S.	2	2					2	2	2	2	2	2	2	6/13/2017
Ignite Restaurant Group Inc	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	6/6/2017
Rooster Energy Ltd.	U.S.	1	2	2	2	2	2	2	2	2	2	2	2	1	6/2/2017
21st Century Oncology Holdings, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	5/25/2017
Oakridge Holdings Inc	U.S.	5	5	5	5			4	4	4	4	4	4	4	5/22/2017
Gorgon Newco, LLC (FKA GulfMark Offshore, Inc.)	U.S.	1	1	1	1	1	1	1	1	2	1	1	1	1	5/17/2017
Tidewater Inc.	U.S.	2	2	1	1	1	1	1	2	3	2	2	2	2	5/17/2017
KII Liquidating Inc (FKA Katy Industries, Inc)	U.S.	2	2	2	1	2	1	2	2	1	1	1	1	1	5/14/2017

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First NBC Bank Holding Company	U.S.	5	4	4	4	3	3	3	3	3	3	3	3	3	5/11/2017
Nuverra Environmental Solutions Inc	U.S.	1	1	1	1	1	1	2	2	2	2	3	1	1	5/1/2017
Boart Longyear Ltd.	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	4/27/2017
Adeptus Health Inc.	U.S.	5	6	5	5	5	5	4	3	3	3	1	2	2	4/19/2017
Grandparents.com, Inc.	U.S.	3	3	3	3	3	2	2	2	2	2	2	2	2	4/14/2017
Unilife Corporation	U.S.	1	1	1	1	1	1	2	2	1	1	1	1	1	4/12/2017
CMTSU Liquidation Inc (FKA CIBER, Inc.)	U.S.	5	3	3	3	3	3	2	1	1	1	1	1	1	4/9/2017
P10 Holdings Inc (FKA P10 Industries, Inc)	U.S.	3	3	2	2	2	2	2	2	2	2	2	2	3	3/22/2017
Electronic Cigarettes Intl Group Ltd	U.S.	2	2	1	1	1	1	1	2	1	1	2	2	1	3/16/2017
Goodman Networks, Inc.	U.S.	1	1	1	1	1	1	1	1	1	1	1	2	2	3/13/2017
G-Estate Liquidation Stores, Inc. (FKA Gordmans Stores, Inc.)	U.S.	2	2	2	2	2	2	1	1	1	1	2	1	1	3/13/2017
hhgregg, Inc.	U.S.	2	2	2	3	3	2	2	2	2	2	2	1	1	3/6/2017
WestMountain Gold Inc	U.S.	3	3	3	3	3	3	3	3	3	3	3	2	2	3/1/2017
Fantasy Aces Daily Fantasy Sports Corp.	U.S.	6	6	6	6	3	3	3	3	3	3	3	3	3	1/31/2017
Azure Midstream Partners LP	U.S.	1	1	1	1	1	1	1	1	1	1	2	2	2	1/30/2017
Forbes Energy Services Ltd	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	1/22/2017
Avaya Inc.	U.S.	2	1	1	1	1	1	1	1	1	1	1	1	1	1/19/2017
Amplify Energy Corp (FKA Memorial Production Partners LP)	U.S.	1	1	1	1	1	1	1	1	1	1	1	1	1	1/16/2017
Bonanza Creek Energy Inc	U.S.	2	2	1	1	1	1	1	1	1	1	1	1	1	1/4/2017

NOTES:

List only includes U.S. public company bankruptcies that have a FRISK® score within 12 months of the failure. FRISK® scores are considered recent when they have been computed within 6-months of the bankruptcy date. FRISK® score accuracy of 96% is based on backtesting of U.S. public companies; results may vary by country.

"Listen up! The danger is in PUBLIC companies."





Our FRISK® score model incorporates four powerful risk inputs:

- "Merton"-type model of stock market capitalization and volatility
- Financial ratios, including those used in the Altman Z"-Score Model
- Bond agency ratings from Fitch, Moody's and DBRS Morningstar
- Website click pattern data from CreditRiskMonitor® subscribers, representing key credit decision makers at more than 35% of current Fortune 1000 companies plus thousands of other large companies worldwide

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