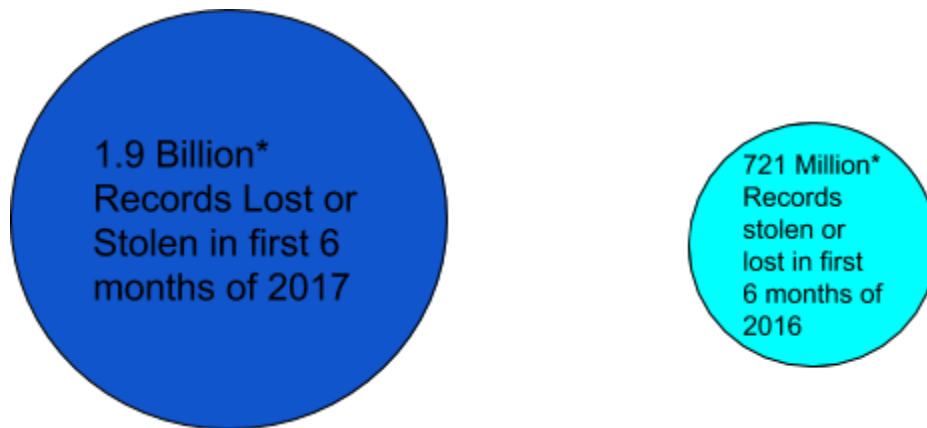**Should we consider a FAA or FDA for Cybersecurity?**

Problem we have	What's not working	Standards and Compliance	What seems to be working	Potential solutions
122 Records breached every second*	Corporate Boards, Cybersecurity Teams and Security Software companies don't have solutions that work	Compliance does not guarantee security. We have NIST, ISO and other standards. Complying with standards does not guarantee protection.	FDA ensures that drugs or devices for humans are safe and it works as stated. FAA ensures that planes are safe for the public.	Should we have a body like FDA or FAA like organization that ensures that PII(Personally Identifiable Information) or others forms data is protected?

1.9 Billion*
Records Lost or
Stolen in first 6
months of 2017

721 Million*
Records
stolen or
lost in first
6 months of
2016

"If you live in the U.S. and breathe oxygen, there's a good chance you may be impacted by the latest security breach."[1]

"Is our future a brave new world or a dystopian nightmare? Who decides?"[2] A billion here and few 100 million records are lost somewhere else, is anyone doing something to stop the data bleeding? I have not seen or read anything that indicates Corporations and Governments across

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[1] CNN TECH, "The biggest data breaches in 2017", by Seth Fiegerman, September 7, 2017.
[2] You Let That In, by Hilarie Orman, Computing Edge October 2017.

*Source: Times of India, New Delhi edition, October 25th, 2017.

the globe are doing something to ensure protection of people's data. Of course, lots of talk and standards, but things don't seem to be working.

Few of the major data breaches in 2017:

1. Equifax reported that the personal information of nearly 143 million people may have been compromised. Equifax only informed the public two months after they were aware of the attack.
2. As many as 14 million records of Verizon subscribers who called the phone giant's customer services in the past six months were found on an unprotected Amazon S3 storage server controlled by an employee of Nice Systems, a Ra'anana, Israel-based company, which was working on behalf of Verizon
3. Wonga, the payday loans company, confirmed a breach in April, affecting more than one-quarter of a million lenders. The breach came just a couple of months after a hacker stole stole £2.5 million from 9,000 online customers at Tesco Bank

Who loses:
1. Public and Corporations; you and I. (Example - Customers, Employees, etc.)

People who never seem to lose:
1. The Corporate Board, including their Risk and Audit Committee. Teams and Executives that I thought were accountable for overall Governance and ensuring protection of the customers and the employees' information.
2. People in Government (President, Congress, and general Bureaucrats)
3. The company management. They are rarely penalized. Yahoo lost 2 Billion records, did anyone in Yahoo management lost a penny or sleep? I don't think so.

Who is accountable for protecting people's' data? The Corporate Board, Government, NSA, FBI, or the CISO? One thing is for sure, that we are incapable of protecting data. maybe it is time to think and do something different**.**

If everything remains the same, the AI (Artificial Intelligence), IOT (Internet of Things) and other disruptions are only going to make things worse for Customers, Employees, Children, etc. If the government and companies cannot protect the information that we have today, how will they protect billions of new records/information/data that will be generated every minute.

Recommendations:

If what we have today is not working, we must look at alternatives that will make things better. FDA does a pretty good job of ensuring that all drugs and medical devices for humans are tested and work prior to being rolled out to the general public. Similarly, FAA ensures that the planes used to fly humans are safe and maintained.

Maybe we should look at the possibility of putting together an organization similar to the FDA or the FAA for ensuring the protection of people's data. I have not listed the HOW, my goal is to start the discussions on this subject and build a consensus on WHAT we do next.

*Source: Times of India, New Delhi edition, October 25th, 2017.