Tech
Mahindra

ARE YOU READY TO **PREVENT RECALLS?**

A Pharma product recall occurs when safety issues or defects in a product are found that might endanger consumers, or put the producer or seller at risk of legal action. When a company issues a recall, the company or manufacturer absorbs the cost of replacing and fixing defective products.

Number of Medical device recall in US (In millions unit)

Quarter	Value
Q3 2015	69.6
Q4 2015	47.1
Q1 2016	9.6
Q2 2016	40.1
Q3 2016	115.7
Q4 2016	61.8
Q1 2017	9.3
Q2 2017	67.6
Q3 2017	68
Q4 2017	37.4
Q1 2018	208.5
Q2 2018	42.4
Q3 2018	29.4
Q4 2018	161
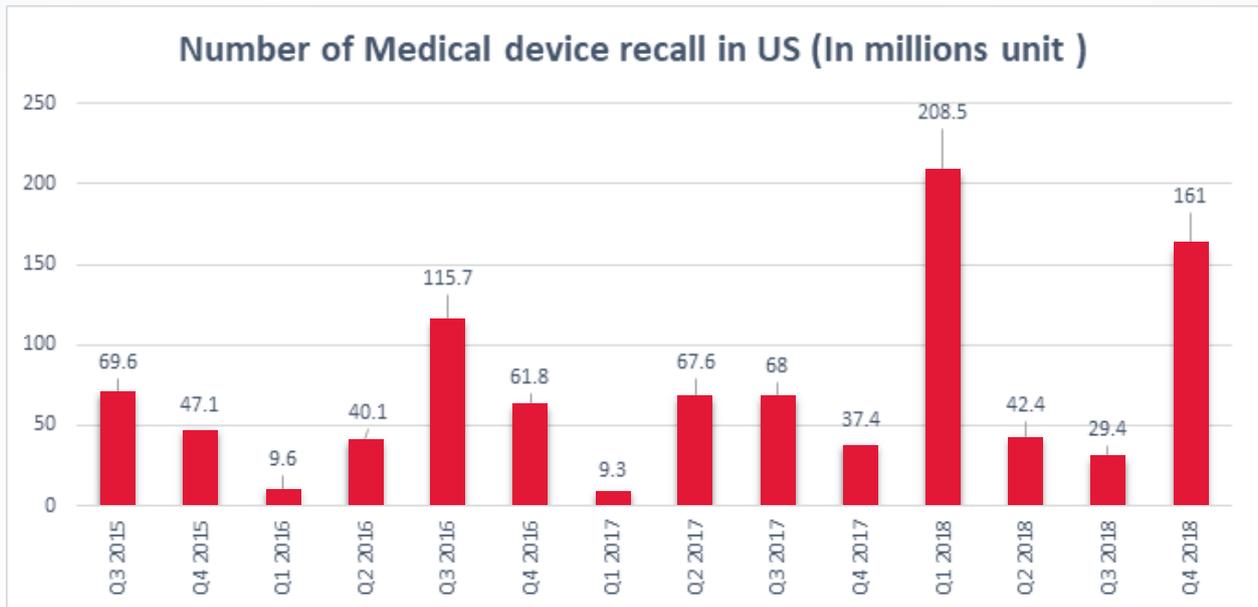
Recall may be conduct on the basic of:
- A firm's own initiative
- By FDA request
- By FDA order under statutory authority.

An estimated **50 percent** of pharmaceutical recalls are related to labeling or packaging artwork. **Other Reasons are**, contains the Wrong Amount of an Ingredient, Contamination of Drug during Manufacturing, The Dosing Guidelines are Incorrect.

Cost of recall for Pharma Companies

Category	Percentage
Extra Expenses (Pre-Calls)	6%
Product Rehabilitation	10%
Recall	35%
Business Interaption	49%
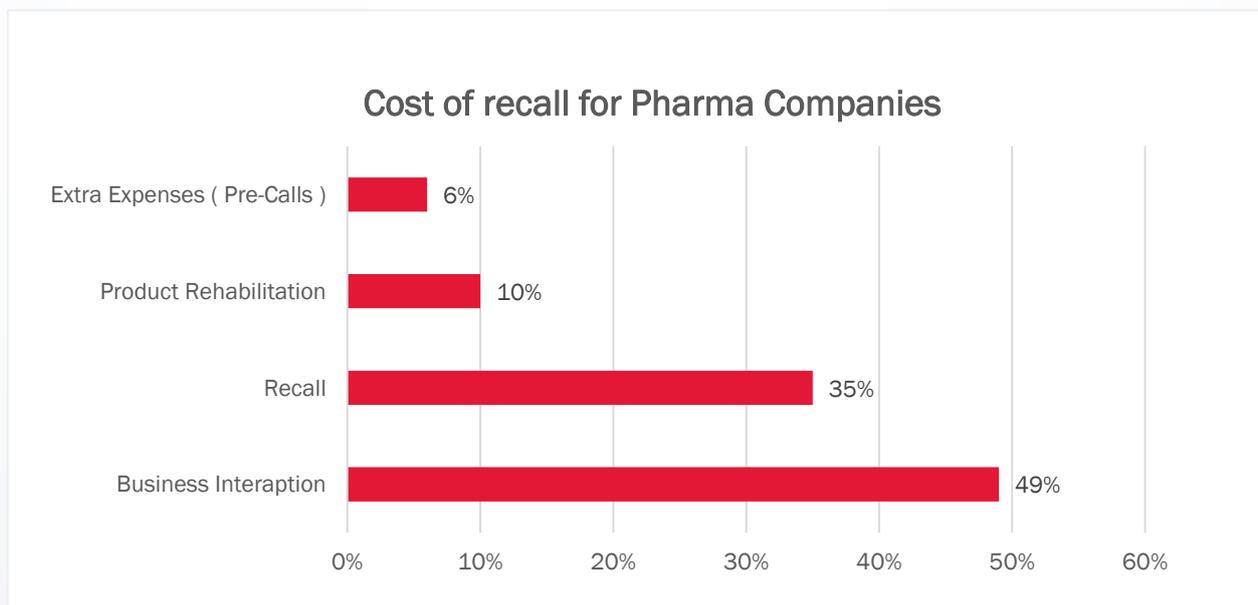
RECENT RECALLS:

May 12, 2019 -
An Indian Pharma Company is recalling over 8.82 lakh bottles of Losartan Potassium tablets, used for treatment of hypertension, from the US and Puerto Rico markets because of deviations from the current good manufacturing norms.

Mar 31, 2019
An Indian pharma company is recalling multiple lots of blood pressure lowering drugs in the US after the American health regulator found certain deviations from Current Good Manufacturing Practice (CGMP) regulations.

Mar 31, 2019
Baltimore-based Pharma Company is recalling 3,200 bottles of Testosterone Topical Solution in the US for issues with the container.

SOLUTIONS:

Here are five major ways that technology can help to prevent Pharma or Medical device recall.

- ◘ Preventing Mislabeling
- ◘ Ensuring Quality Packaging Manufacturing
- ◘ End to End connected manufacturing process
- ◘ Intermediate quality checks
- ◘ Sustaining Effective and Efficient Communication with high degree of IT/OT Security

To respond quickly to problems within the manufacturing process, it is essential to connect a warehouse execution system (WES) to external systems both upstream and downstream in the supply chain.

The IoT in Pharma Manufacturing & Supply Chain Management

Pharma companies requires open automation software that is compatible with a wide range of communication protocols and ensures a seamless transition to the industrial IoT.

Tech Mahindra and CISCO is a unique partnership where Cutting edge technology and new age products comes together to address customer challenges. Having the experience of working with top Pharma companies and developed in-house off the shelf solutions, Tech Mahindra and CISCO are capable of addressing your challenges and design your digital road map.

To know more, please contact

INTEGRATED ENGINEERING SOLUTIONS (IES)

Is a Connected Engineering Solutions business unit of Tech Mahindra. At **Integrated Engineering Solutions**, customers are at the core of every innovation. We align Technology, Businesses and Customers through innovative frameworks. We deliver future-ready digital convergence solutions across Aerospace and Defense, Automotive, Industrial Equipment, Transportation, Consumer Products, Energy and Utilities, Healthcare and Hi-Tech products. Our 'Connected' solutions are designed to be platform agnostic, scalable, flexible, modular and leverage emerging technologies like Networking, Mobility, Analytics, Cloud, Security, Social and Sensors, that enable launching of smart products and deliver unique connected consumer experiences, weaving a connected world. Coupled with this, our strong capabilities in Electronics, Mechatronics and Mechanical Engineering along with domain understanding and product knowledge, bring excellence to the entire lifecycle of these connected ecosystems.

CONTACT US AT
connect@techmahindra.com
www.techmahindra.com

SOCIAL MEDIA
www.youtube.com/user/techmahindra09
www.facebook.com/techmahindra
www.twitter.com/tech_mahindra
www.linkedin.com/company/tech-mahindra

Tech Mahindra