

# Wearable Airbag System

**Status:** Filled

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## Project Description

### Overview:

- Each year, 2.8 million elderly people are treated in emergency departments for fall injuries.
- Each year at least 300k elderly people are hospitalized for hip fractures
- More than 95% of hip fractures are caused by falling, usually by falling sideways
- Falls are the most common cause of traumatic brain injuries (TBI).
- In 2015, the total medical costs for falls totaled more than \$50 billion. Medicare and Medicaid shouldered 75% of these A pair of trousers containing sensor technology that can inflate to reduce impact on a human's body from falling. The inflation would act as an airbag to reduce impact on a human's body from falling. These trousers will be designed to have the appearance of a normal pair of trousers. This feature will help making this product more acceptable among patients who are to wear them on a daily