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# A step towards not-falling: Using machine learning for injurious falls in older adults

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My study addressed injurious falls among older adults in Ontario.Falls are a major cause of hospitalizations for them, emphasizing the need for effective prevention strategies. Using machine learning (ML), I employed advanced algorithms to analyze data from Ontario-wide databases spanning almost a decade. The goal was to identify key diseases that could help to detect injurious falls. The results were fascinating, revealing that dyspnea (shortness of breath) and cancer of intrahepatic bile duct in liver were the most influential diseases among older adults seeking treatment in emergency departments or hospitals. This suggests the significant role these conditions play in injurious falls. Furthermore, this research highlights the potential of ML models as reliable alternatives to traditional statistical analysis methods. By demonstrating their superior performance, we can revolutionize the prevention and detection of falls among older adults. Exciting times lie ahead as we harness technology's power to enhance the safety of our older adult population.