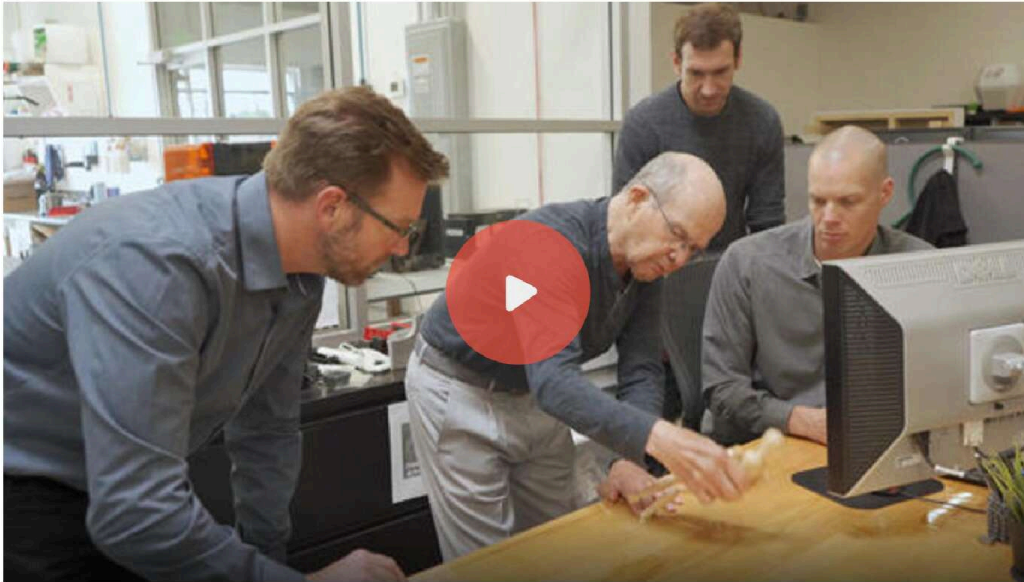


## The SAF-T VEST™ will detect a fall and deploy airbags to reduce risk of injury.



[davenportsoftsystems.com](https://davenportsoftsystems.com)

Minneapolis, MN



Consumer Goods

Retail

Health & Fitness

Fashion

## Highlights

- 1 🤖⚡ 200+ inquiries from clinicians and consumers; 3 accelerators; 3 academic partnerships
- 2 💖🧠 The SAF-T VEST uses sensors and airbags to protect you in a fall from the hips to the head.
- 3 🧑🏫🔬 Our clinical, engineering and scientific leads have more than 70 years of experience.
- 4 💰 A capture rate of just 1.2% of today's 56M+ senior market could drive \$650M in sales revenue.
- 5 📜 We received a U.S. Patent in January 2021 and a Launch Minnesota Innovation Grant one year later.
- 6 ⚙️ Our early prototype already detects a fall and inflates a front airbag in less than a 1/2 second.
- 7 💡 Your investment will help us build advanced models that will be tested on healthy adults.
- 8 🤖 ? ? Want more info? Awesome! Read our "COMPANY FAQs" under the ASK A QUESTION tab above!

# Our Team



**Ryan Davenport** Co-founder and CEO, Davenport SAF-T Systems

Ryan Davenport just keeps achieving key milestones. Among his wins: a U.S. patent, a working 1st gen prototype, a \$28,000 Innovation Grant, 3 accelerator programs, and partnerships with three universities for engineering, fall research and testing.

Our inventor, orthopedic surgeon Jay Davenport, was inspired by his experience caring for so many older adults who suffered devastating injuries from falls. These injuries often trigger the beginning of a slow decline in health from which many never recover. We must no longer accept fall injuries as an unavoidable consequence of aging.



**Jay A. Davenport, M.D.** Co-founder, Chief Medical Officer

Jay A. Davenport, M.D. invented the SAF-T VEST, because fall prevention efforts fall short. As an orthopedic surgeon, he treated countless older patients with devastating fall injuries. His concept moves us from fall prevention to fall protection.



**Tanvi Bhatt, Ph.D.** Lead Scientific Advisor

Dr. Bhatt is a professor of physical therapy and rehabilitation sciences at University of Illinois at Chicago (UIC). She has consulted with the Company since 2020 and is a leading expert in falls and the neuromechanical basis for balance recovery.



**Lance Silverman, M.D.** Clinical Advisor

Dr. Silverman is a board-certified member of the American Academy of Orthopaedic Surgeons and the American Orthopaedic Foot and Ankle Society. He founded his independent practice Silverman Ankle and Foot in 2005.



**Mae Davenport** Director of Research

Mae Davenport, Ph.D., is a professor at the University of Minnesota, and a social-behavioral human subjects researcher. She conducts social science research for human and community well-being and for their connections to the natural environment.



**Joel Prevost** Long-term Care Industry Advisor

Joel's experience in long-term care services spans more than 17 years. He's led campuses and communities including home care, hospice, palliative care, TCU, assisted living, long-term care, adult day and creative arts through life-long learning.



**Brian Kohlbeck** Financial Consultant

Brian is CFO at Phillips Distilling Company. He has extensive corporate finance experience at General Mills, Best Buy, Lands' End and Gander Mountain. He delivers business results and drives financial performance as a financial and operational lead.



**Ernest Grumbles** General Counsel

Ernest is an IP and business attorney representing innovation-driven startups and entrepreneurs. He works with early-stage clients to identify and protect patent, trademark and copyright assets and to launch, develop and finance

Our plan: 1. Reduce devastating fall injuries 2. Cut health care costs 3. Improve quality of life 4. Extend independence for seniors



## THE PROBLEM

We all know someone—maybe an aging parent or relative, or perhaps an elderly neighbor—who suffered a terrible fall. Sadly, falls among older adults are not rare events. One in four seniors in the U.S. falls each year. That's about 14 million people falling down.







For older adults, a fall can have life-changing, even life-threatening consequences. Fall injuries are a \$50 billion problem in the U.S. and it's getting worse each year.

**THE SOLUTION**

**SAF-T VEST**

**360-DEGREE FALL PROTECTION**  
FROM THE HIPS TO THE HEAD

**SAF-T VEST**

Jay A. Davenport, M.D., an orthopaedic surgeon, decided fall prevention strategies were not solving the problem. So he developed a new strategy: wearable fall protection. The SAF-T VEST.

**DESIGN FEATURES**

The SAF-T VEST is a reusable, wearable technology that protects older adults in a fall from any direction or angle

- Proven airbag protection
- Rapid deflation absorbs impact
- Digital alert notifies caregivers of a fall
- Styles for day/night indoor/outdoor use
- Lightweight and comfortable

**SAF-T VEST**

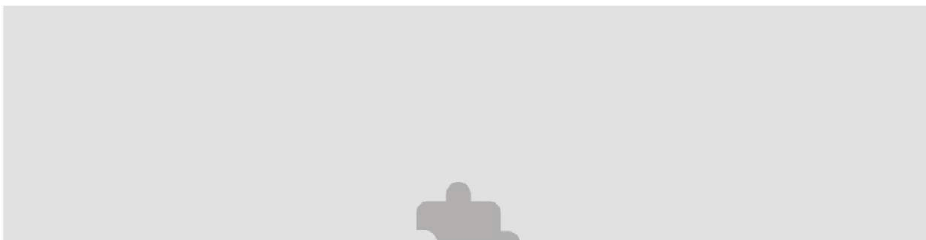
The SAF-T VEST uses sensors to detect a fall in progress. It will inflate a system of airbags

**in progress. it will initiate a system of airbags in the blink of an eye to reduce the risk of injury—from the hips to the head. It will be reusable and come in a variety of sizes and styles. Wear it over your regular clothes or pajamas.**

**Remember, this is a safety product—not a medical device. Think of it as a life preserver on land!**



**Worried about a fall? Many seniors limit their activities after a bad fall because of fears it could happen again. But not moving can make you more vulnerable to falls. Wearing the SAF-T VEST could provide the reassurance you need. Otherwise, that fear could require major life changes. [Click on the video below.]**



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## PROGRESS

Davenport SAF-T Systems was formed in 2017 with a single purpose—to build the SAF-T VEST and make it available to all who need it. Since then, the team has received a U.S. Patent, built a working prototype and won an innovation grant from the state of Minnesota.

## SAF-T VEST TRACTION

### Recognition

- BETA.MN 2023 Spring Cohort
- Launch Minnesota grant winner 2022
- MassChallenge 2021 Finalist
- America's Most Fundable Companies Semifinalist, 2020
- Minnesota Cup 2019 Semifinalist

### Progress

- First gen working prototype
- U.S. Patent No. 10,897,938 B2
- Elite roster of advisors
- \$70k+ investments or pledges
- 200+ interested customers and long-term care organizations

### Research and Engineering Partners



CAZTEK

IRON RANGE ENGINEERING



Fall injury protection is still a new concept, but the idea is catching on.

## COMPETITION

### TANGO BELT

- Waist-belted airbag systems designed *only for hip* protection

### D' AIR SKI

- Inflating crash vests for elite downhill ski racers; other systems for motorcycling and equestrian
- Not suitable for seniors

### MARKET GAP

NO COMPREHENSIVE FALL INJURY PROTECTION FOR OLDER ADULTS



The Tango Belt and similar systems are

The Tango Belt and similar systems are designed to protect the hips, but other fracture-prone areas remain exposed. Wearable crash protection systems are used in high-speed activities, but they are not designed for older adults.

Here's why our inventor would wear the SAF-T VEST:

## A CASE FOR FALL PROTECTION



**Jay Davenport, M.D.,  
86, inventor**  
Lives 20 min from healthcare in rural Minnesota  
Provides daily care for his wife Martha, 79



WITHOUT SAF-T VEST	WITH SAF-T VEST
<ul style="list-style-type: none"><li>• Unprotected from catastrophic fall</li><li>• Requires extended care</li><li>• Loss of independence</li></ul>	<ul style="list-style-type: none"><li>• Protected during a fall</li><li>• Severe injury prevented</li><li>• Maintains independence</li></ul>



If Dr. Davenport had a catastrophic fall at his rural home, it might take 20 minutes or more for help to arrive. A serious injury might require him to move into a nursing home. But the SAF-T VEST is designed to protect him from injury, which would allow him to stay at home with his wife Martha.

SO WHY INVEST IN THE SAF-T VEST?

1. BE A FORCE FOR GOOD—Help us keep people safe.
2. HAVE A STAKE IN THE WORK—You win when we win.
3. PERKS—You'll get a discount if you buy our



vest.

Your investment will help us build full-scale, advanced versions that we'll test in a lab using healthy volunteers. Pilot studies will show how seniors do over time while wearing the SAF-T VEST.

## OUR U.S. MARKET

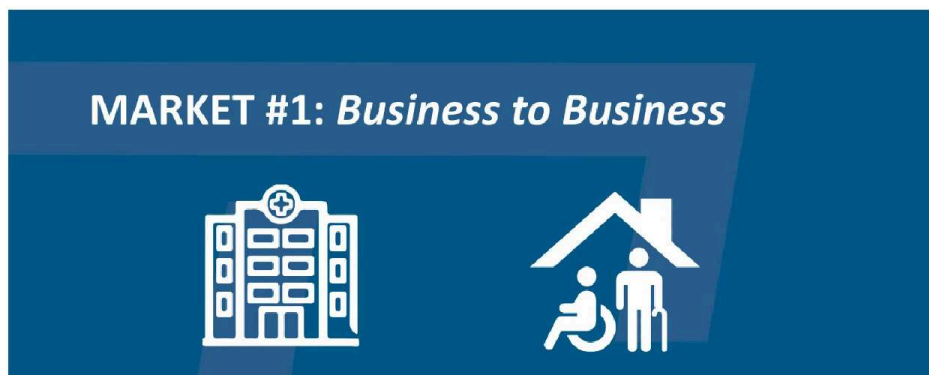
The population of adults 65 and above will continue to increase for the next 40 years. More seniors means more falls.



Forward looking projections cannot be guaranteed.

## OUR BUSINESS STRATEGY

We'll focus first on hospitals and nursing homes. Why? Because each year, up to a million hospital patients and half of all nursing home residents fall.





## HOSPITALS

Up to 1 million patients fall in hospitals every year

## NURSING HOMES

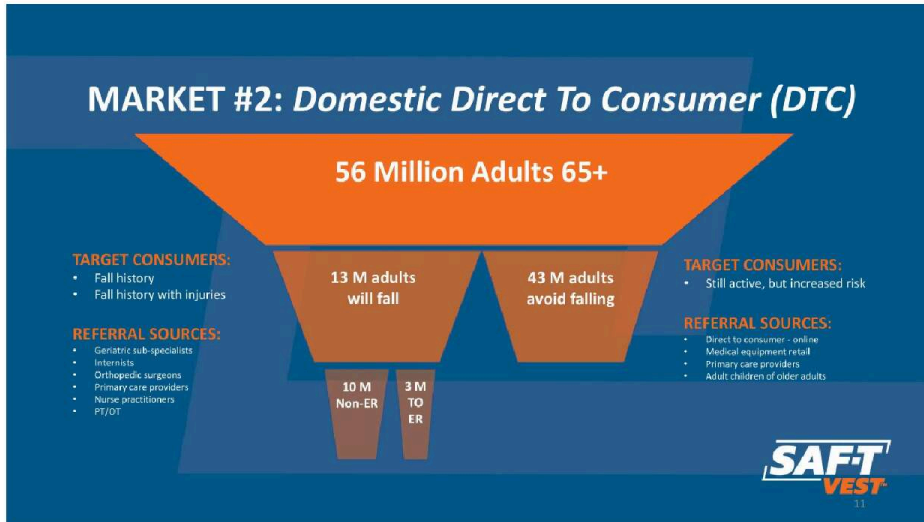
800,000 fall every year, half of all residents



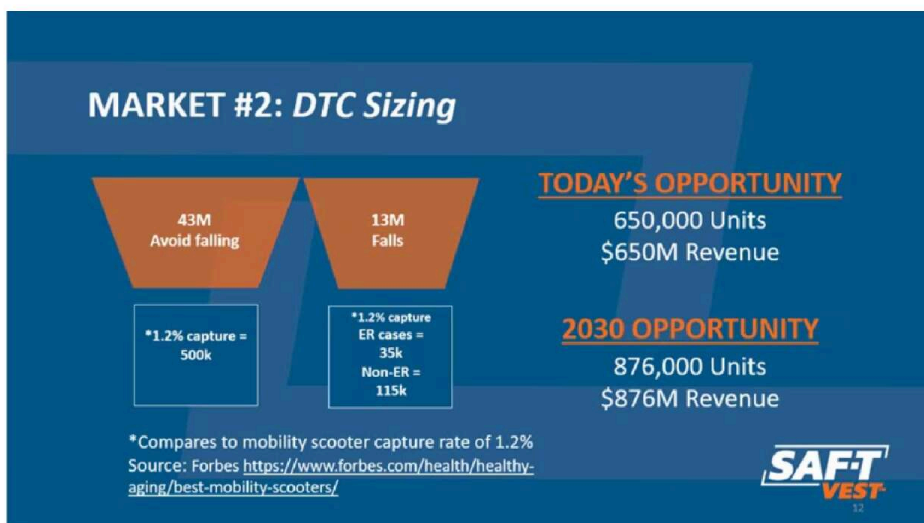
Source: Centers for Disease Control and Prevention

Source: Agency for Healthcare Research and Quality

But we'll also sell directly to seniors and their families, because our risk of falling increases as we age. Are you an active senior who loves to walk each day? Great! When you wear the SAF-T VEST you'll reduce your risk of injury while you add up the miles!



We plan to make a difference in the lives of millions. We also expect strong product demand to drive significant revenues.



Forward looking projections cannot be guaranteed.

We'll extend revenues with new product launches, subscription-based connected services, and through branding partnerships

with major apparel retailers.

Future **SAF-T VEST** Revenue Opportunities

**NEW VERSIONS WITH TECHNICAL ENHANCEMENTS and features**

**CONNECTED SERVICES**  
Onsite vest deployment monitoring for care facilities  
Remote deployment monitoring  
SAF-T VEST App for advanced biometrics monitoring for IOS/Android/Google

**MAJOR APPAREL BRANDED PARTNERSHIPS**  
(E.g., LL Bean, Land's End, Patagonia)



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Our greatest advantage is our leadership team and expert advisors who share our mission, vision and values.

**TEAM LEADERS AND EXPERTS**

 <p><b>JAY A. DAVENPORT, M.D.</b> Inventor, Board-Certified Orthopaedic Surgeon, Chief Medical Officer, Co-founder</p>	 <p><b>RYAN DAVENPORT</b> Co-Founder and CEO</p>
 <p><b>TANVI BHAT, Ph.D.</b> Fall Injury Researcher, University of Illinois at Chicago</p>	 <p><b>JOEL PREVOST</b> Licensed, Long-Term Care Industry Executive</p>
 <p><b>LANCE SILVERMAN, M.D.</b> Board-Certified Orthopaedic Surgeon, Silverman Ankle &amp; Foot</p>	 <p><b>MAE DAVENPORT, Ph.D.</b> Social Scientist, University of Minnesota</p>



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Enthusiasm for the SAF-T VEST continues to grow, among clinicians and consumers.

## RAVE REVIEWS FROM CLINICIANS

*"I work for a skilled nursing facility in Pennsylvania, and we are interested in possibly trialing this vest to see how it could potentially help with preventing injuries to our residents when falling in their rooms."*

-Michael L.

*"Interested in this product to use for high-risk injury patients who are mobile at hospital and here for extended stay due to placement issues."*

-Rebecca Z., RN

*"I am a nurse educator at a hospital in Everett, Washington...We would be happy to pilot your product in our hospital"*

- Gale, RN

*"I believe in your product and your team to make it happen."*

-David Bolkovac, RN,  
CEO, Centurion Aegis, LLC



## WHAT OTHERS ARE SAYING

**"...highly innovative...a clever solution for preventing upper extremity and face/head impacts for forward falls.**

*-National Institutes of Health grant reviewer*

**"This is most certainly a breakthrough idea that solves a real problem."**

*- MNCup Reviewer*

**"Please hurry with this new product for accident-prone seniors like me."**

*-Kathy, Houston, Texas*

**"The advisory board has diverse experiences and expertise to move this innovation forward."**

*- MassChallenge Reviewer*



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