

Health Economy with Moto Tiles

– case: Fall Prevention



PREVENTING FALLS

Moto Tiles offer substantial economic benefits by preventing falls among the elderly, reducing healthcare expenses and improving quality of life.

FALLS

Annually, 50% of seniors at age +80 experience falls, as do 33% of seniors at age +65.

COST OF FALLS

Injuries from falls among the elderly incur significant expenses, with injurious falls costing approximately €26,500 each, while non-injurious falls still resulting in extra expenses of around €2,000.

EFFECTIVENESS OF TRAINING

Exercise programs and specific training significantly reduce fall risks, with Moto Tiles showing a notable increase in balancing skills by up to 150% in clinical trials.

ANNUAL COST SAVINGS

By assuming 10,000 elderly individuals engaging in playful training with Moto Tiles, an estimated 2,760 falls can be avoided annually, resulting in savings of €28 million.

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moto
play and fun for everyone
1 system - 100 uses

REDUCED INSTITUTIONAL CARE

Moto Tiles training also leads to fewer transfers to care homes, saving an additional €15 million annually by preventing falls-related institutionalization.

TOTAL SAVINGS

Combining direct healthcare savings and reduced institutional care costs, the society can save a total of €43 million annually through the use of Moto Tiles for fall prevention, i.e. annually 8 times the initial investment.

IMPLEMENTATION COSTS

Despite initial setup costs of €5.5 million, the long-term economic benefits far outweigh the investment in Moto Tiles. Each year, you will save 8 times the initial investment cost.



TESTIMONIAL

Physiotherapist Tanja Højris Bendtsen highlights the overall improvement in functional abilities among participants, delaying or reducing the need for additional home assistance. Scientific publication from Japan highlights that with Moto Tiles training, seniors are brought from long-term care need to become out of the risk group for long-term care need.

FURTHER EVALUATION

Evaluation reports from multiple municipalities provide additional insights into cost-saving categories and implementation strategies.

This overview highlights the significant economic benefits of implementing Moto Tiles for fall prevention among the elderly population. Similar significant economic benefits can be obtained when using playful training with Moto Tiles for dementia prevention and rehab, stroke rehab, cardiac rehab, children's therapy, home rehab, etc.

