

# 15-year trends in injury related health care use and costs in the Netherlands



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## Research question

To what extent do in- and post-hospital health care utilization and costs of patients treated for severe injuries have changed between 2002 and 2017?

## Focus

Severe injuries (MAIS2+) treated at emergency departments (EDs) in the Netherlands.

## Methods

Data were ascertained from:

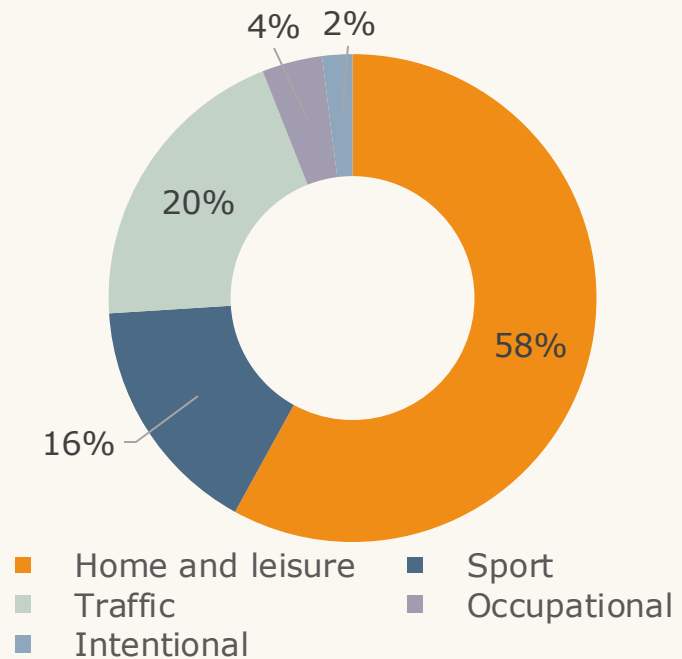
- National registries
- Patient questionnaires

Total and average health care costs were estimated through the incidence-based Dutch Cost of Injury Model



10% increase in injury related ED-visits between 2002 and 2017

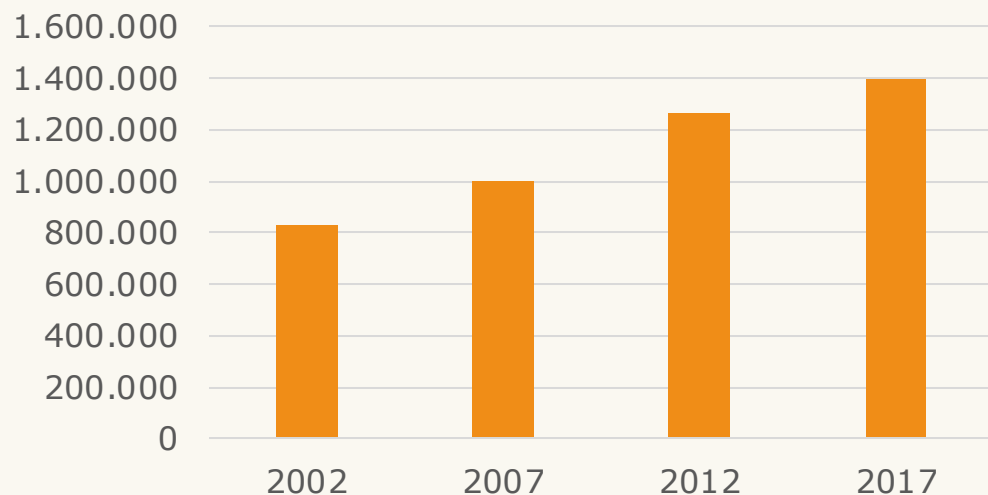
Significant increase in patients aged 60 years and older





# Severe injury related health care costs

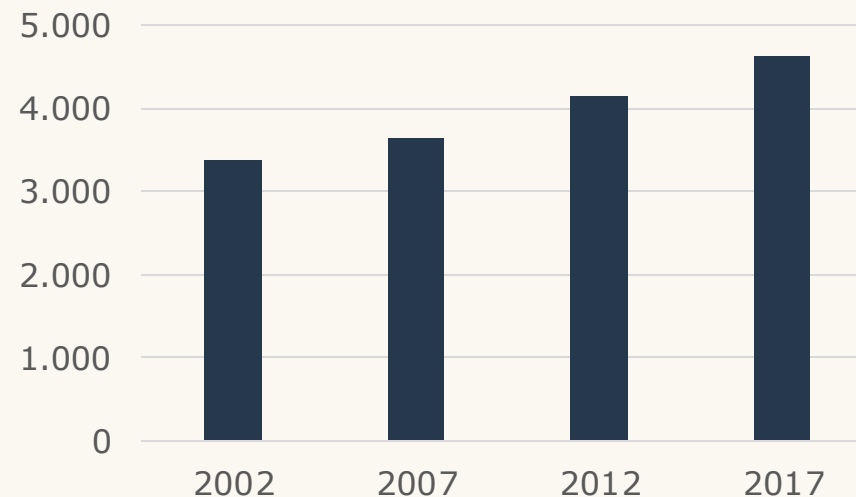
## Total costs (€ per 1,000)



The **highest** health care costs involve nursing homes/rehabilitation and hospitalization costs

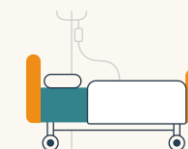
The **strongest increase** in costs between 2002 and 2017 was seen among patients aged **60 years and older, and for home care**

## Average costs (€)



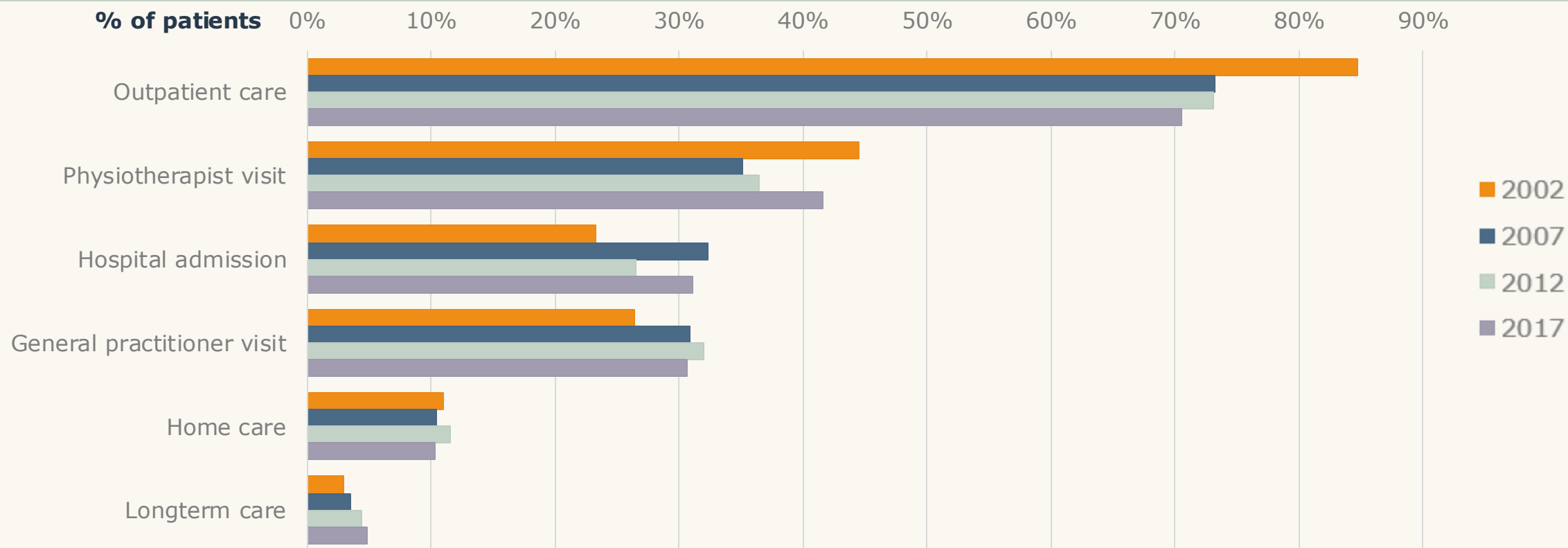
The average costs of **all** types of health care increased, **except hospitalization**

Hospitalization costs decreased due to **shorter length of stay**





# Severe injury related health care utilization



**Severe injury related health care utilization and costs have increased** in the past 15 years due to aging and differences in health care policies. **Identifying** high health care costs and utilization among **risk groups** are essential to assess additional priority areas for **prevention**, and can provide guidance to structural implementation of **interventions**.



#### Want to know more?

It's always a good time to talk about safety. Please contact us!

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