

# HOME FALLS AMONG PEOPLE 65 YEARS AND OLDER: CIRCUMSTANCES AND PATTERNS OF FALLS:

*RESULTS FROM THE CHUPADOM SURVEY - 2018*



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## INTRODUCTION

- Falls are responsible for important morbidity and mortality → major public health issue in elderly people
- In France, in 2010:
  - 22% of people aged between 55-85 fall at least once
  - Falls accounted for 85% of emergencies for Home and Leisure Injuries (HLIs) among people aged 65 and over
- 7/10 falls occurred at home
- Currently, few data exist to characterize the heterogeneity of the circumstances of falls which would be helpful to set up targeted prevention actions

## OBJECTIVES

- To describe the characteristics and circumstances surrounding falls occurring at home among people aged 65 and over hospitalized, and to identify profiles of fallers

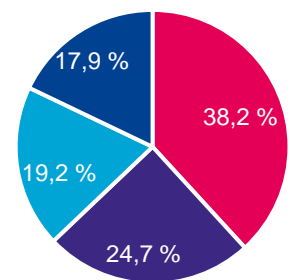
## METHODS

- ChuPADom: prospective multicenter survey conducted in 2018 in 7 volunteer French hospitals
- For each, all persons aged 65 and over hospitalized within a 6-month period following a fall at home interviewed
- Data collected during a face-to-face interview at the hospital by a referring hospital investigator
- Following a description of the sample, patterns of falls were identified by Multiple Correspondence of Analysis (MCA) and Ascending Hierarchical Classification (CAH)



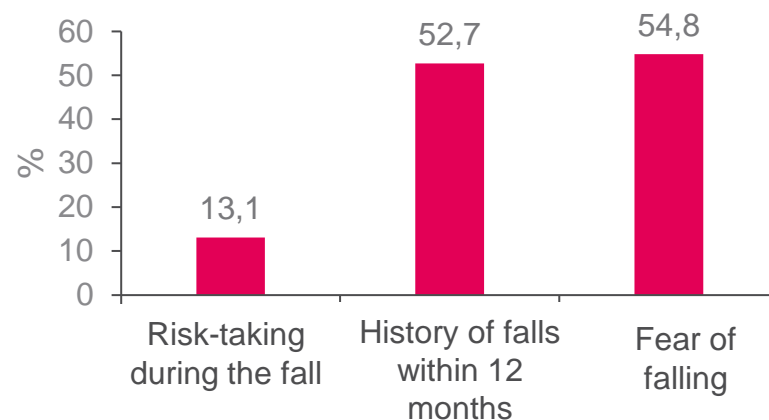
## RESULTS

- 1 467 patients included (69% female, mean age 84,5y)

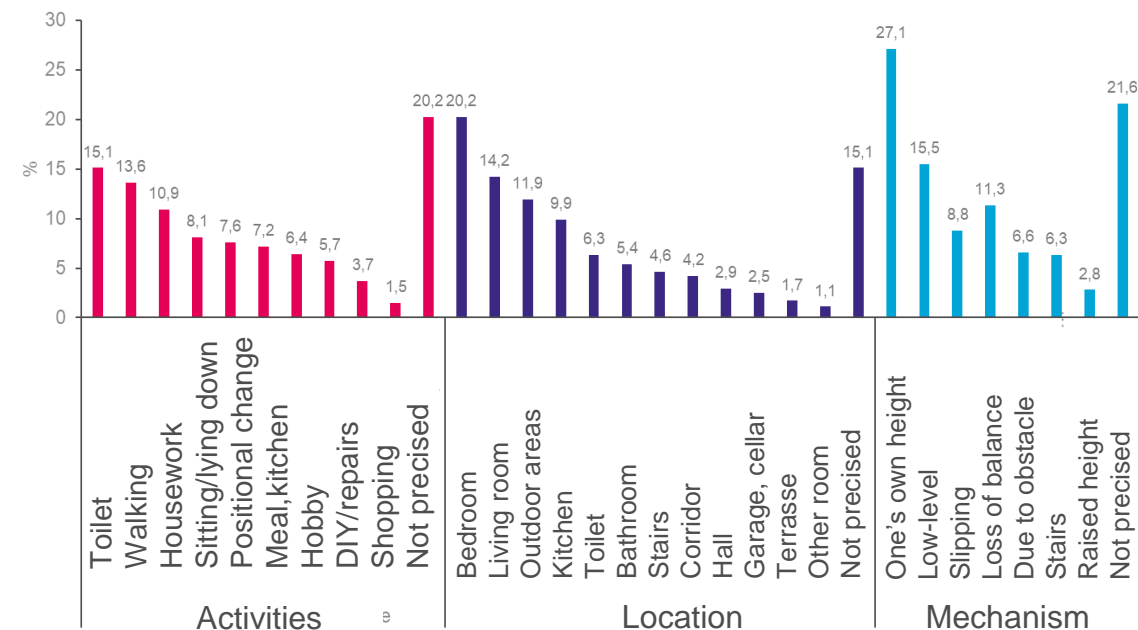


- Morning (6am-1pm)
- Afternoon (1pm-6pm)
- Evening (6pm-11pm)
- Night (11pm-6am)

Time of the fall



History of falls and risk-taking



Circumstances of the fall

## RESULTS: Profiles of fallers

### Profile 1 (n=83, 5,7%):

Falls: high, moderate to intense, outdoor or garage, risk taking

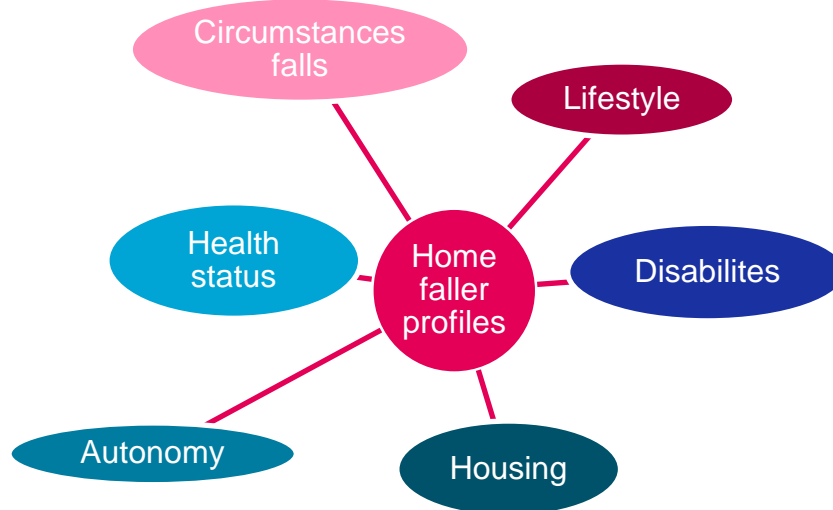
- Men, 65-74 yrs,
- Autonomous,
- Physical activity,
- homeowner, house

### Profile 2 (n=67, 4,6%):

- Falls: stairs, moderate to intense,
- pre-fragile,
- Autonomous,
- Home,
- Married/Cohabiting,
- Education or more,
- 65-84 years old

### Profile 5 (n=49, 3,0%):

- Missing data for housing adapted to health status, perceived health, autonomy, circumstances of the fall...
- Retirement home,
- 90 yrs and older



### Factors used to build profiles

### Profile 3 (n=476, 32,4%):

- Autonomous,
- Fall: outdoor, moderate to intense, loss of balance or low height,
- 65-84 years,
- Physical activity, very good perceived health,
- Homeowner,
- Housing adapted to health status

### Profile 4 (n=792, 54,0%):

- Dependent,
- Motor impairment,
- No physical activity,
- Retirement home,
- Fall: bedroom and living room, rest/transfer, mecha NP, night,
- Widowed, Women, 85+ years old,
- Poor perceived health, neurological diseases, CVD, psychological diseases, fatigue



## DISCUSSION/CONCLUSION

- These results highlight the heterogeneity of the circumstances in which elderly people fall
- Profiles used for the anti-fall plan launched in 2022 by the French government to implement prevention actions
- Results of this study will be enriched by the analysis of the second part of this survey with consequences of the fall one year after



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Identifying profiles of people aged 65 and over who fall at home and associated falling-induced injuries: The French ChuPADom study

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