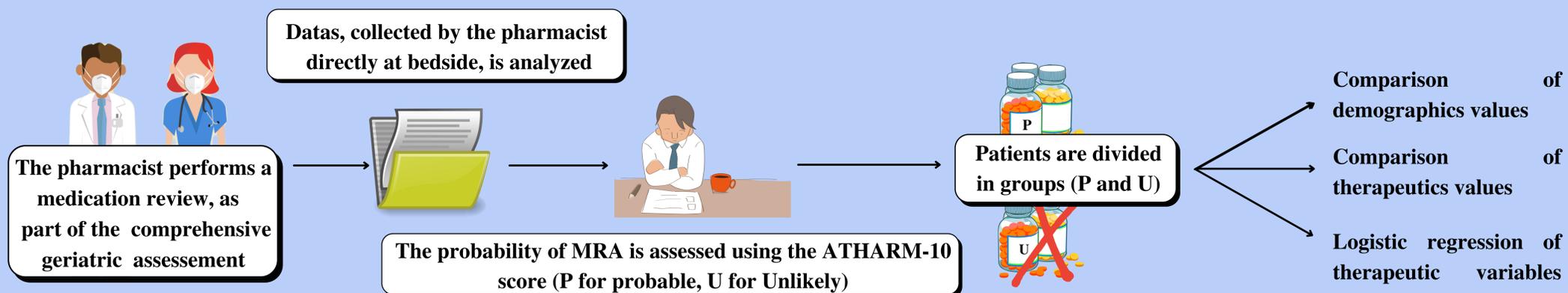


# Pharmacist-led medication review unveiled more medication-related problems in possibly medication-related hospitalisations than in unlikely medication-related hospitalisations in elderly patients

## Introduction :

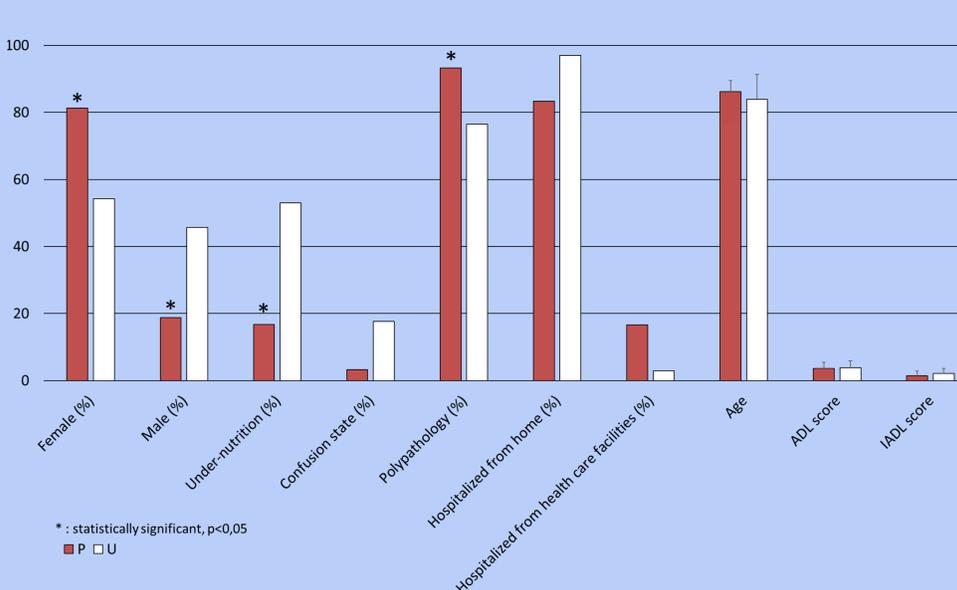
- Elderly patients are prone to unsafe and/or ineffective pharmacotherapy. Drug related hospitalisations are common in this population.
- The Mobile Geriatric Team coordinates the realisation of Medications Reviews for elderly patients hospitalised in non-geriatric wards, in order to prevent iatrogeny.
- The aim of this study was to identify medication-related problems associated with medication-related admissions (MRA) in hospital in older people.

## Material and methods :

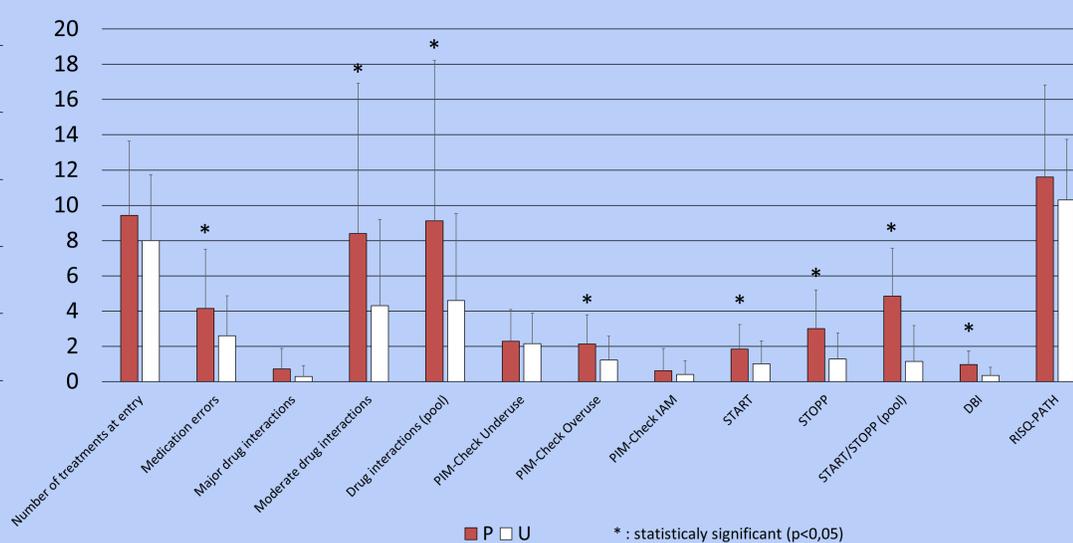


## Results :

- Between march and october 2021, we analyzed 68 patients : 32 were P, 35 were U, and one patient was unscorable.
- We created a composite criteria (= Pharmaceuticals Interventions) made of the sum of START/STOPP items, Drugs interactions, and Medication errors.



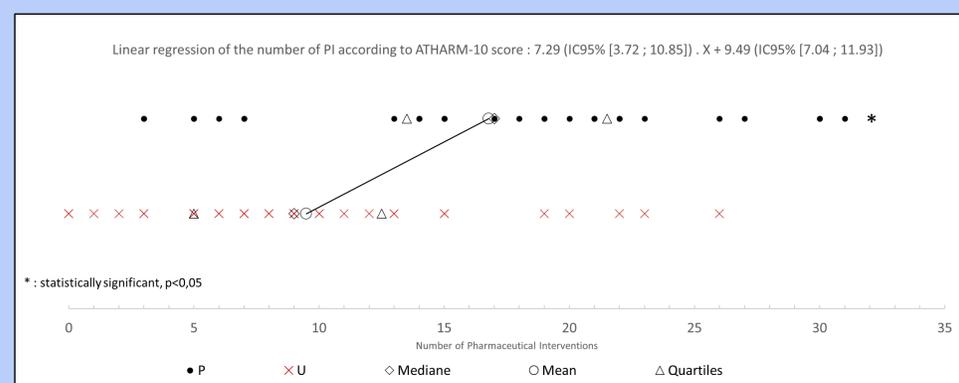
Graphic 1 : Comparison of demographic variables between group P and U.(means and proportions)



Graphic 2 : Comparison of therapeutic variables between group P and U.(means)

THERAPEUTICS VARIABLES	Odds Ratio	LOWER 95%	UPPER 95%	P-VALUE
START/STOPP	1.54	1.21	1.96	0.02
PIM-Check Overuse	1.50	1.05	2.13	0.02
Drugs interactions	1.13	1.02	1.24	0.02
DBI	5.8	2.05	16.42	< 0,01

Table 1 : Univariate logistic regression results of ATHARM-10 score according to therapeutic variables



Graphic 3 : Distribution of the number of Pharmaceutical Interventions.(PI) according to the result of ATHARM-10 score

## Discussion :

- Demographic differences between our 2 groups are consistent with literature.
- We unveiled more medication-related problems in patients possibly MRH than in unlikely MRH.
- We've been able to show a positive association between possible MRH and some of our therapeutics variables.
- It suggests that AT-HARM10 may be used to identify patients requiring priority on pharmacist-led medication review.