

# IMPROVING TRACEABILITY OF WEIGHT AND RENAL CLEARANCE OF ELDERLY RESIDENTS IN NURSING HOMES



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## OBJECTIVE

Elderly patients are more likely to have decreased renal function, which can require adjustment of therapeutic treatment. The aim of the present study was **to assess medication management quality** by monitoring weight and renal clearance of elderly population living in one of the 584 nursing homes of the region, especially people with chronic renal failure and **to raise health care professionals' awareness** on the importance of weight and renal clearance's traceability.

## METHODS

A retrospective professional practice assessment was conducted in early 2014

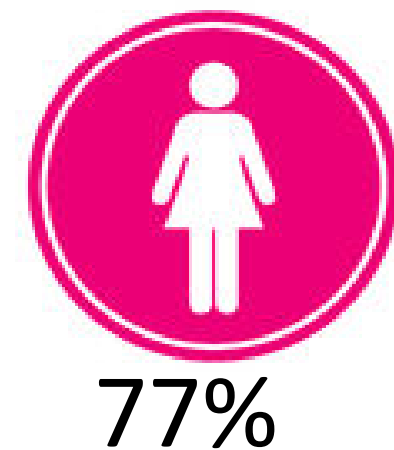
- Voluntary nursing homes of the region
- People of 75 years old or more
- Living in a nursing home for more than a year

Traceability of **weight and renal clearance** were collected in the resident's file.

## RESULTS

### STUDY PARTICIPANTS

- 84 (14%) nursing homes
- 3063 resident's files
- Mean age = **88 yrs**



77%



23%

Mean number of residents:

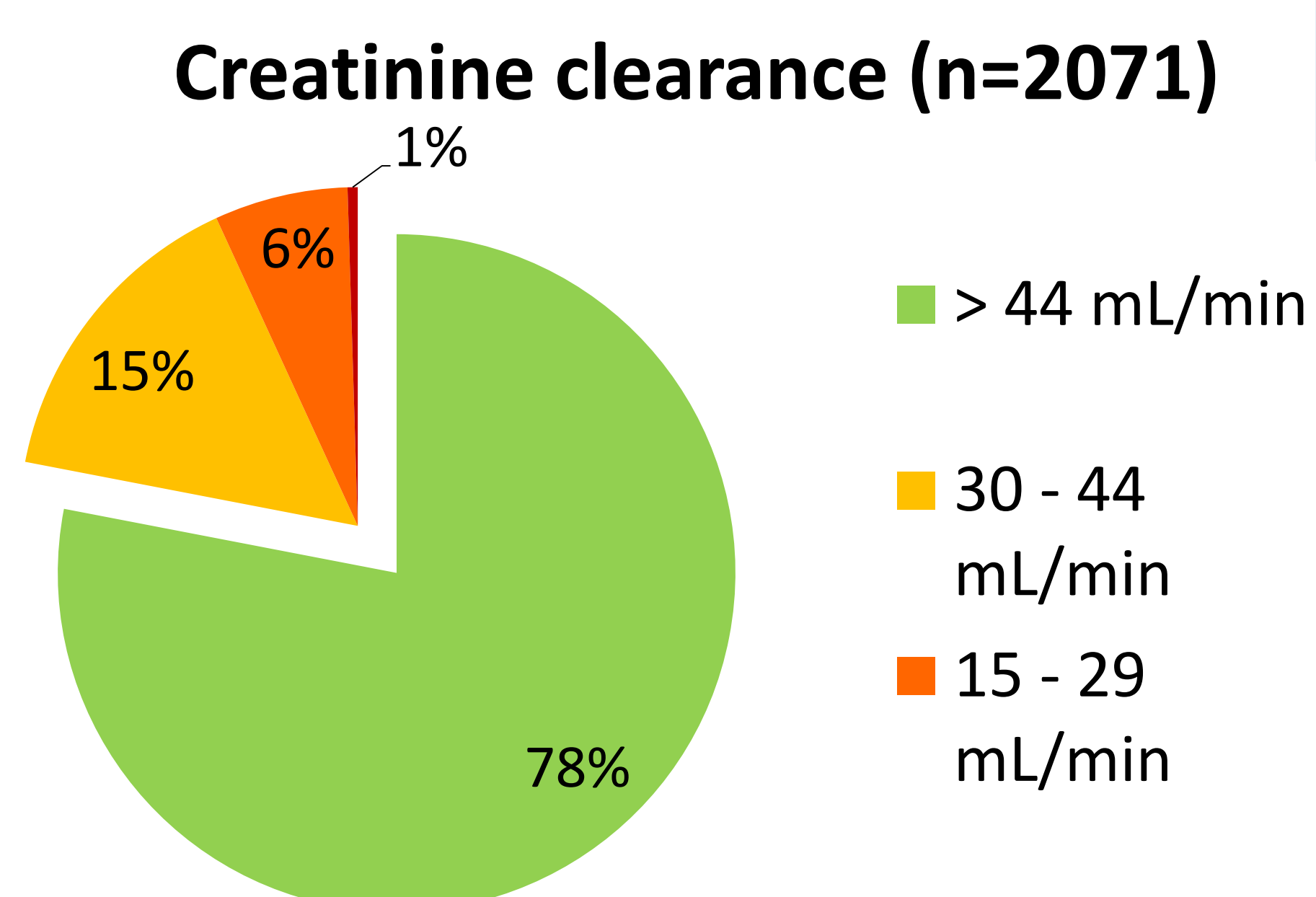
- 108/nursing home
- 76 included/nursing home

### WEIGHT AND RENAL CLEARANCE

Percentage of residents with at least one measure during the past year :

Serum creatinine	76,0%
Weight	99,2%
Serum creatinine AND weight	75,4%
Renal clearance	67,6%

**1/3 of residents don't have any renal clearance registered during the year**



**22% of residents had chronic renal failure with a renal clearance < 45 mL/min**

50% of them had a correct biological follow-up according to French guidelines

### Automatic Calculation of renal clearance by the laboratory

YES	80%
Cockcroft	6%
MDRD	31%
Both	43%
NO	20%

## Training of healthcare professionals

### 1. Information leaflet :



### 2. E-learning training :



It includes :

- Commented video
- Quiz
- Clinical case

## CONCLUSION

Nursing homes encounter difficulties to collect and record their residents' data and to standardize their practices. To improve traceability of weight and renal clearance, a **free e-learning training and an information leaflet** are proposed to healthcare professionals. A second measure of data will be conducted in early 2017.

In partnership with :



Find out about our results and our education program (in French) on our website [www.omedit-paysdelaloire.fr](http://www.omedit-paysdelaloire.fr)

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