

Global annual costs of people living with HIV in France in 2013 from a national insurance claims database (SNIIRAM)

Introduction

A recently published study assessed the economic burden of HIV (Human Immunodeficiency Virus) in 2013 based on hospital data^{*}. Here, we produce a new study on the SNIIRAM (Système National d'Information Inter-Régime de l'Assurance Maladie) database which contains individualized data on all reimbursed health expenses for the entire French population in 2013.

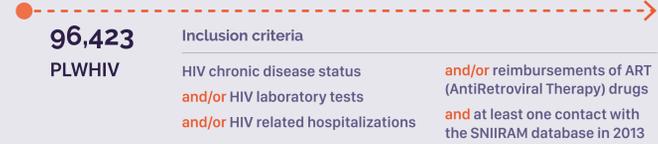
Objectives

The objective of this study was to estimate the global annual cost and specific annual cost by type of people living with HIV (PLWHIV) in France in 2013 and affiliated to the general insurance scheme during 2008-2015, using SNIIRAM data from 2013-2015. The global annual cost of PLWHIV was defined as the total costs reimbursed by health insurance, including both HIV- and non-HIV-related costs.

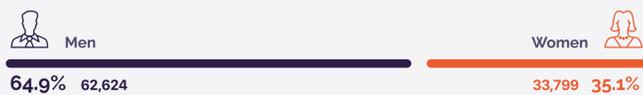
Methods

DESIGN: A RETROSPECTIVE COHORT STUDY ON THE SNIIRAM

2013 Inclusion



Gender



Incidence (no HIV care in the 5 previous years)



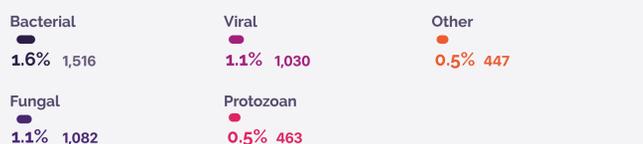
Age: 47.5 average years old (std: ±12)



Top 5 Comorbidities



Opportunistic Infections (at least one hospitalization)



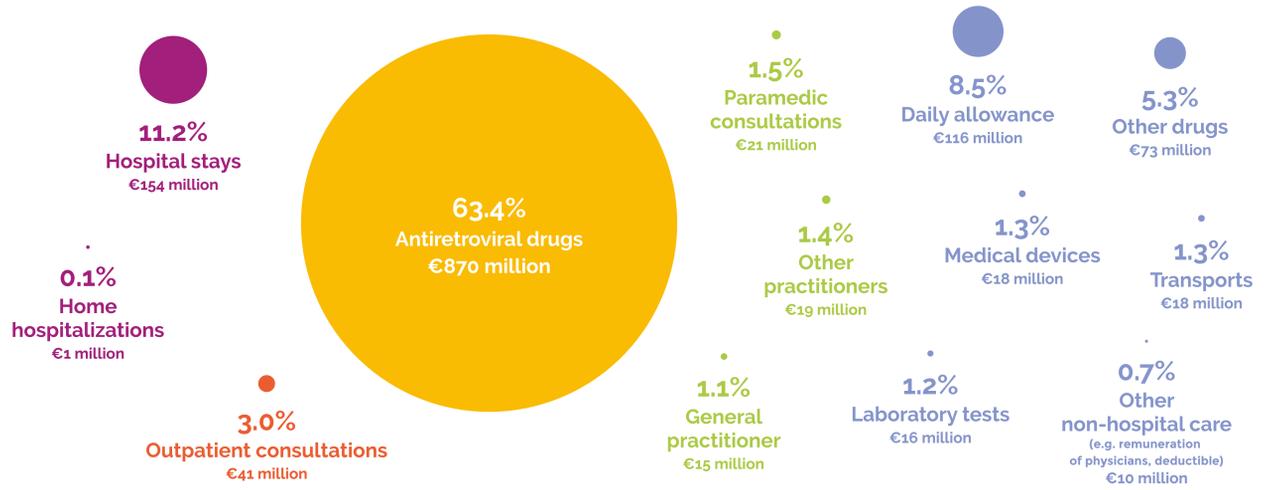
Results

GLOBAL ANNUAL COST OF PLWHIV

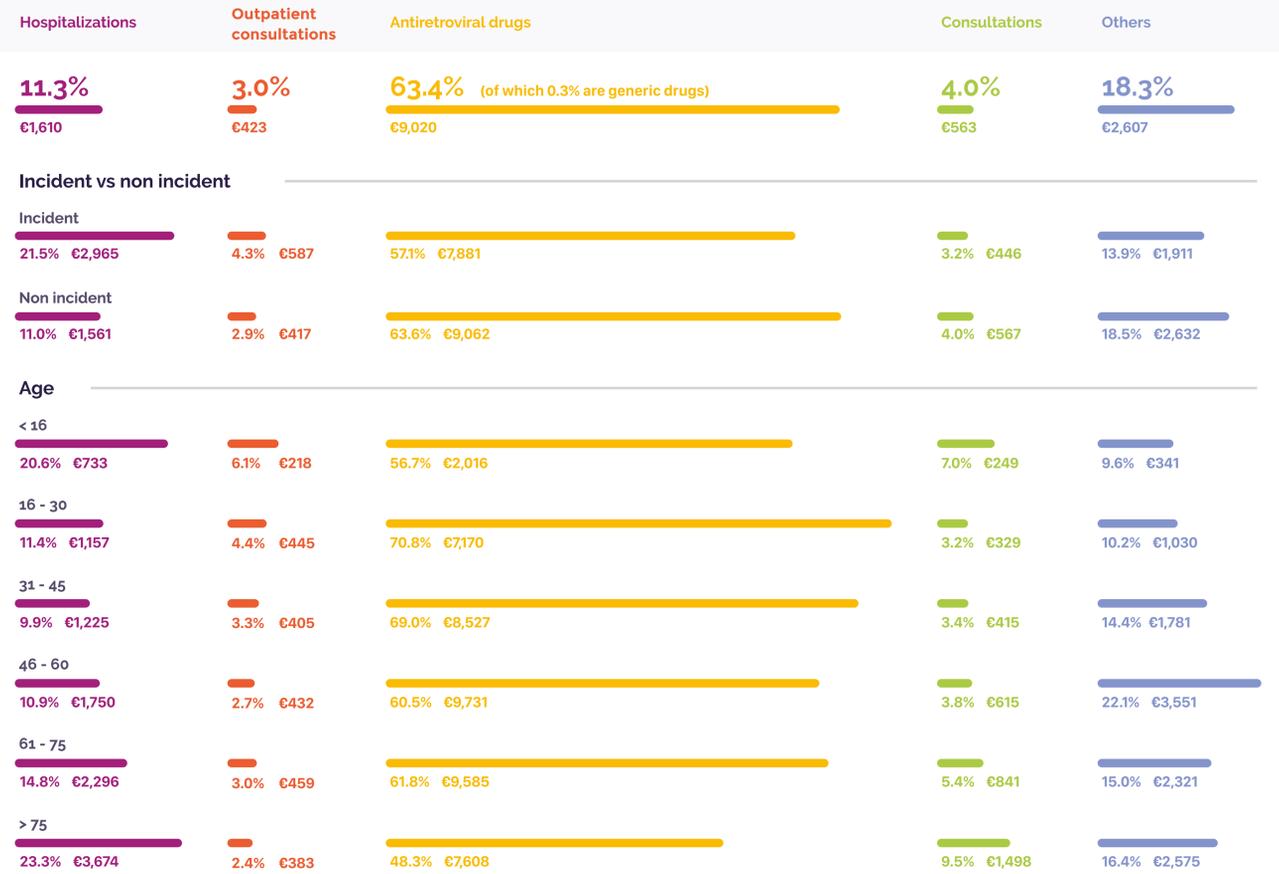
€1.4 billion

MEAN ANNUAL COST PER PATIENT

€14,223 (std: ± 10,801)



REPARTITION OF THE MEAN ANNUAL COST OF PLWHIV



Conclusion

- The global annual cost of PLWHIV in 2013 is mainly due to Antiretroviral therapy drugs costs (63%).
- In 2013, liver diseases represented a major comorbidity cost before psychiatric and cardioneurovascular diseases. Vascular and psychotropic treatment were the most frequent coprescription in PLWHIV.
- Hospitalization costs were higher in the incident PLWHIV group than in the non incident PLWHIV group. Hospital care (private, public and home hospitalizations) accounted for a more important part of the total cost (20-23%) for the youngest (< 16) and the oldest (> 75) PLWHIV.

REFERENCES:

* de Léotoing L, Yazdanpanah Y, Finkielstzajn L, Chaize G, Vainchtock A, Nachbaur G, Aubin C, Bonnet F. Costs associated with hospitalization in HIV-positive patients in France. AIDS. 2018 Sep 10;32(14):2059-2066.

