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 (Systeme 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

**Inclusion**
- PLWHIV
- HIV chronic disease status and/or HIV laboratory tests and/or HIV related hospitalizations
- Antiretroviral Therapy (ART) drugs and at least one contact with the SNIIRAM database in 2013

**Follow up 2 years**

**Results**

- **GLOBAL ANNUAL COST OF PLWHIV**
  - €1.4 billion

- **MEAN ANNUAL COST PER PATIENT**
  - €14,223 (std: ±10,801)

**Top 5 Comorbidities**

- **Vascular risk treatments**
  - 16.5% of PLWHIV
- **Psychotropic treatments**
  - 10.82% of PLWHIV
- **Liver diseases**
  - 7.0% of PLWHIV
- **Psychiatric diseases**
  - 8.5% of PLWHIV
- **Cardiovascular/diabetes diseases**
  - 8.3% 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.

**REFERENCES:**