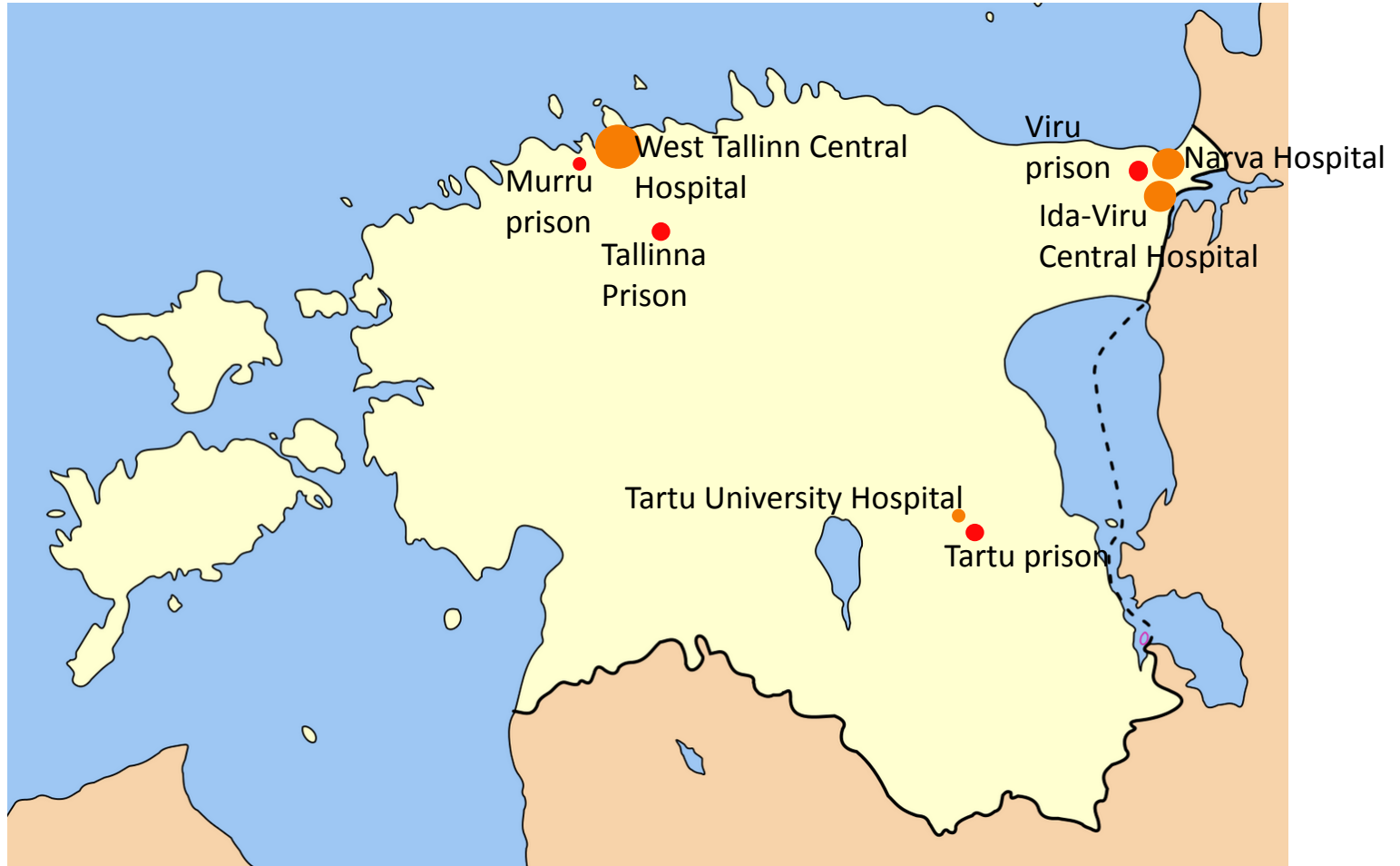




Current status of E-HIV (Date)

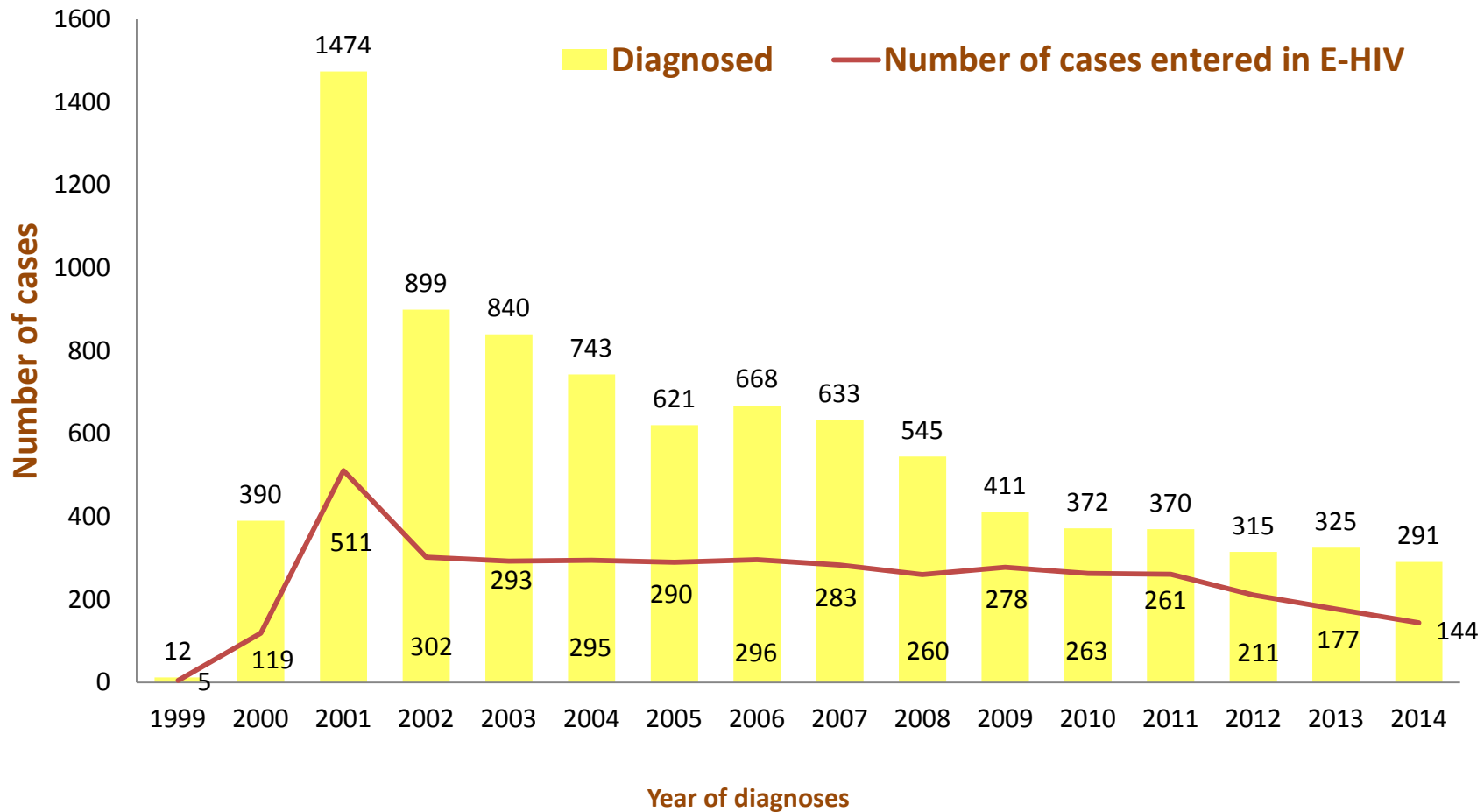
- 4000 patients included
- 220 patients have died
- 145 patients co-infected with TBC
- 98 patients have AIDS
- 15.2 % of patient data quality controlled

Data entry sites (hospitals and prisons)

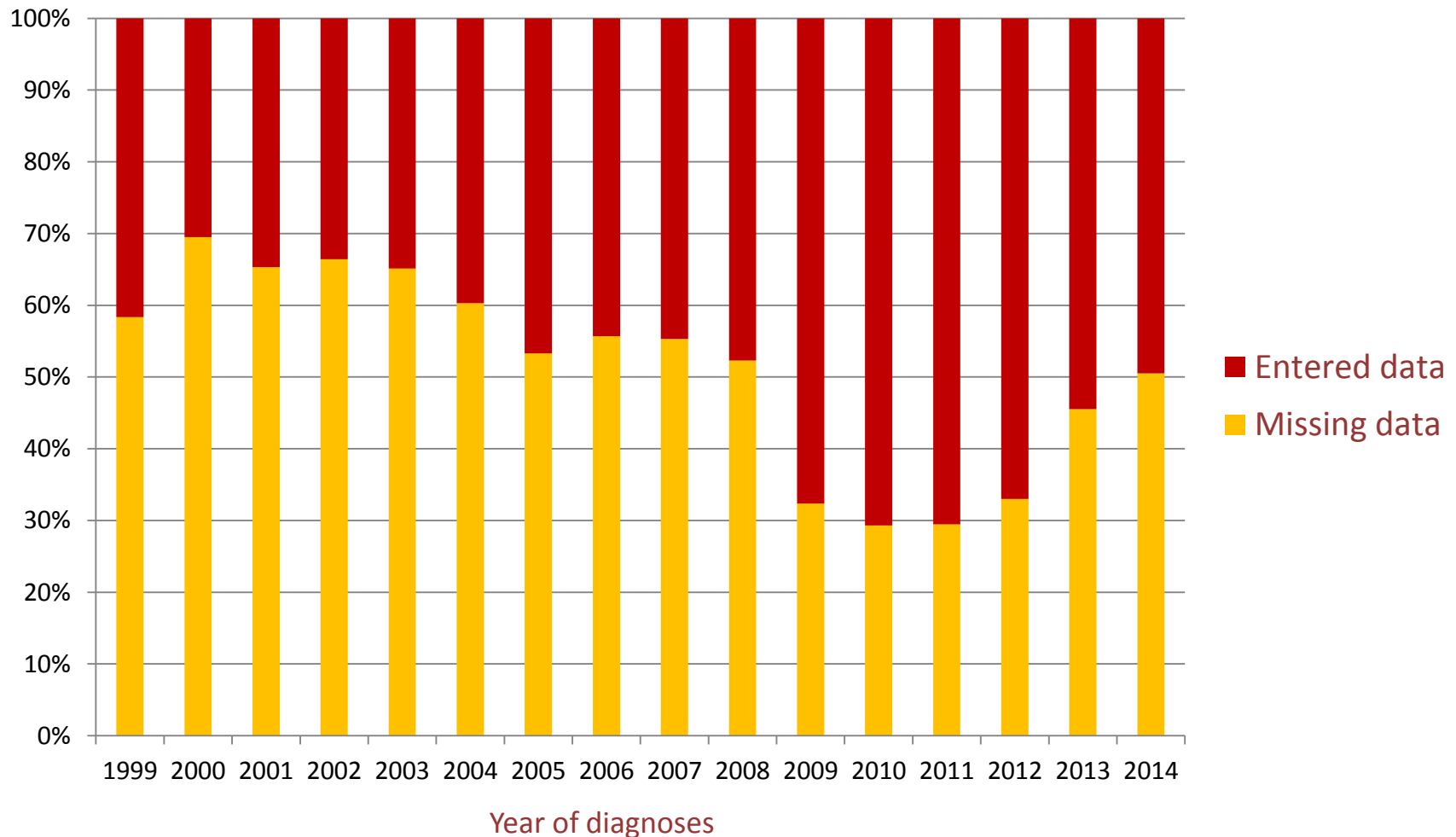


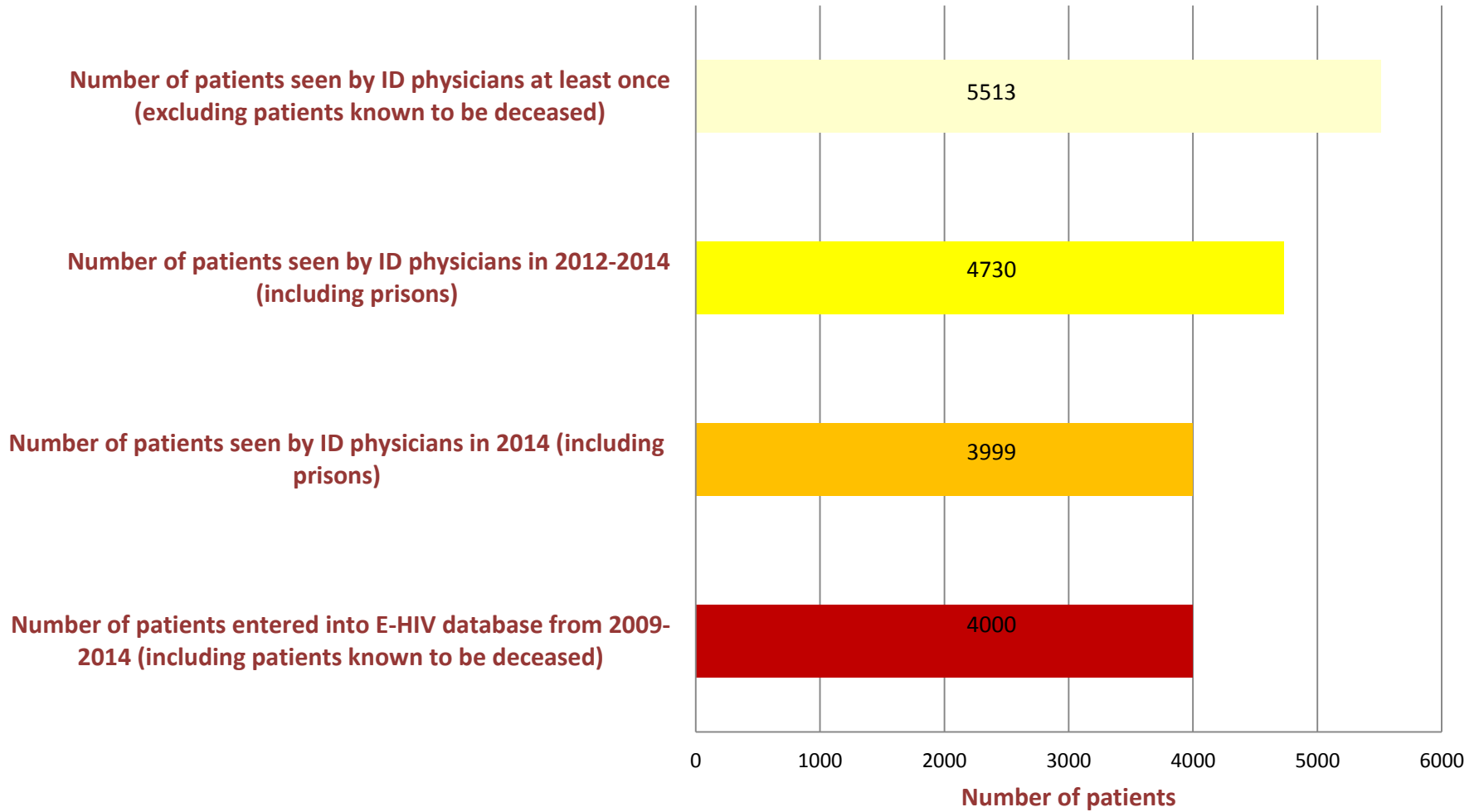


Newly diagnosed HIV cases vs cases entered in E-HIV

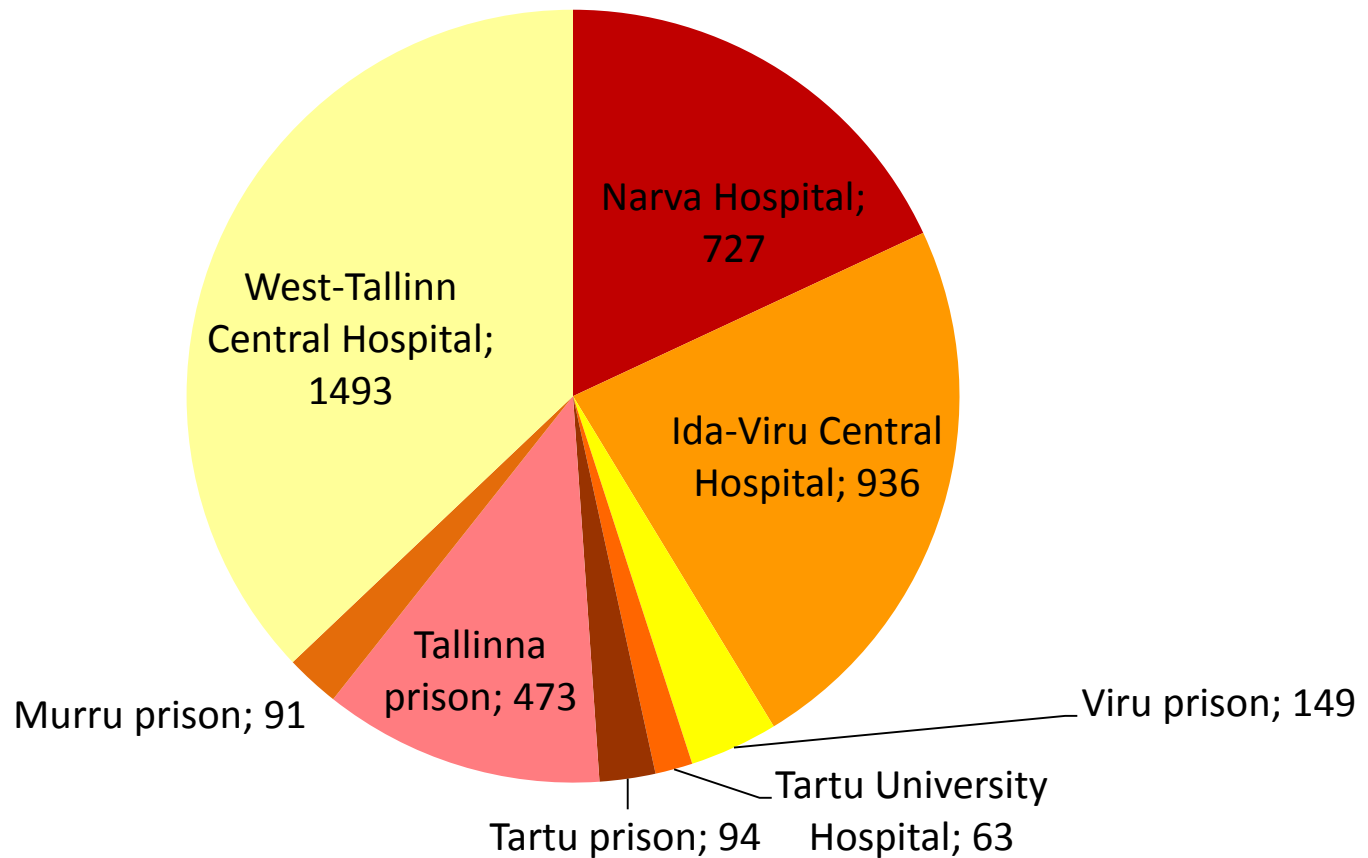


Percentage of patients entered into E-HIV of total HIV diagnosed patients

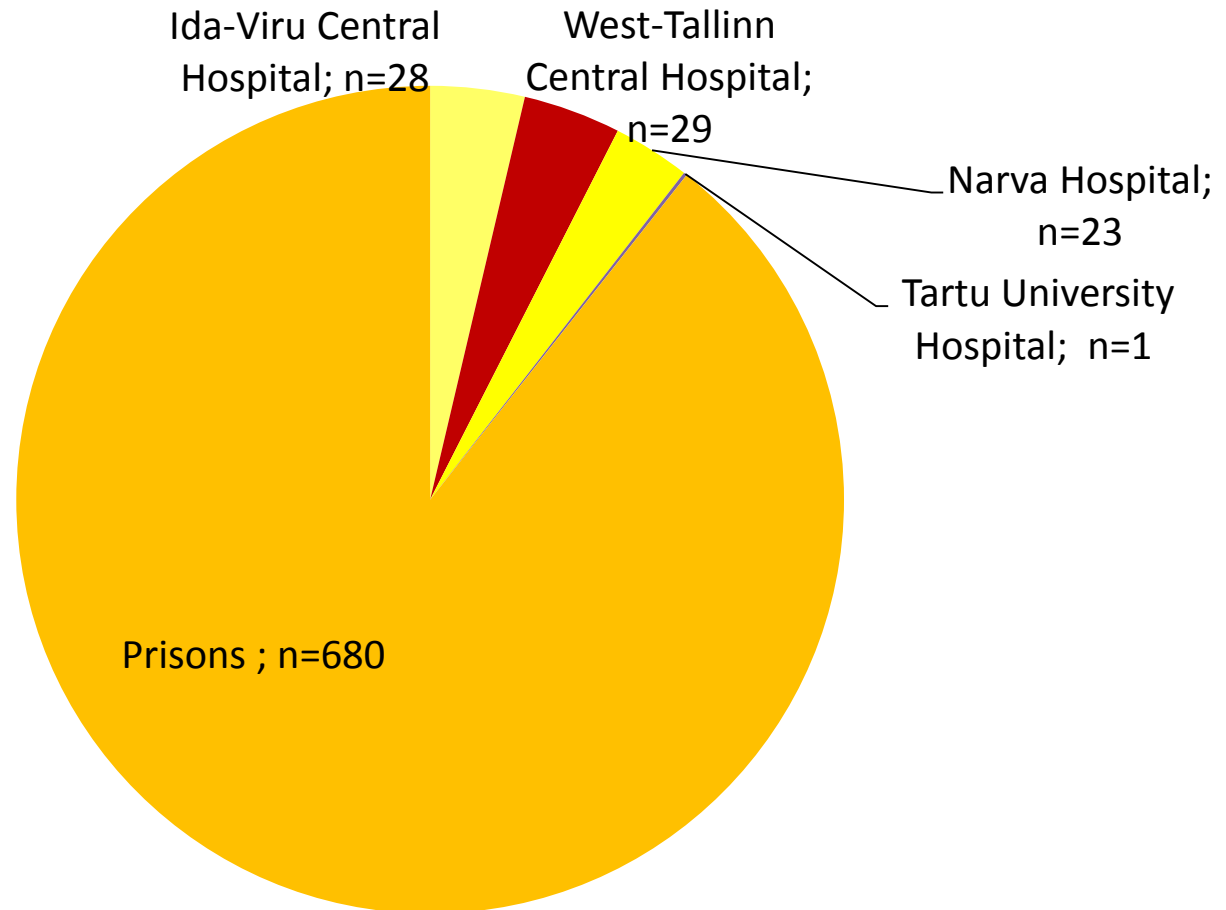




Proportion of patients in medical facilities



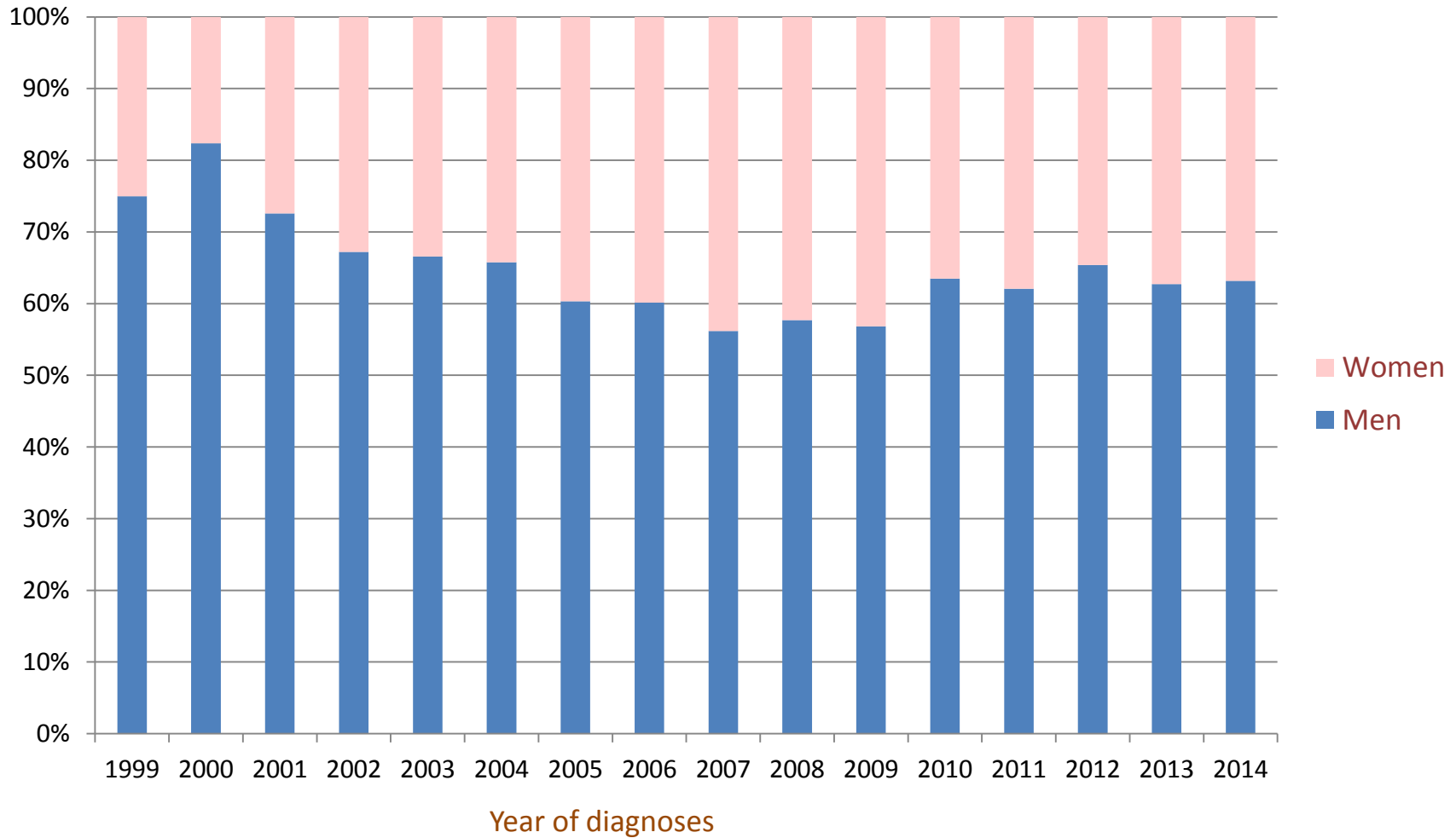
Patients whose data has not been entered into E-HIV since 09.10.2013



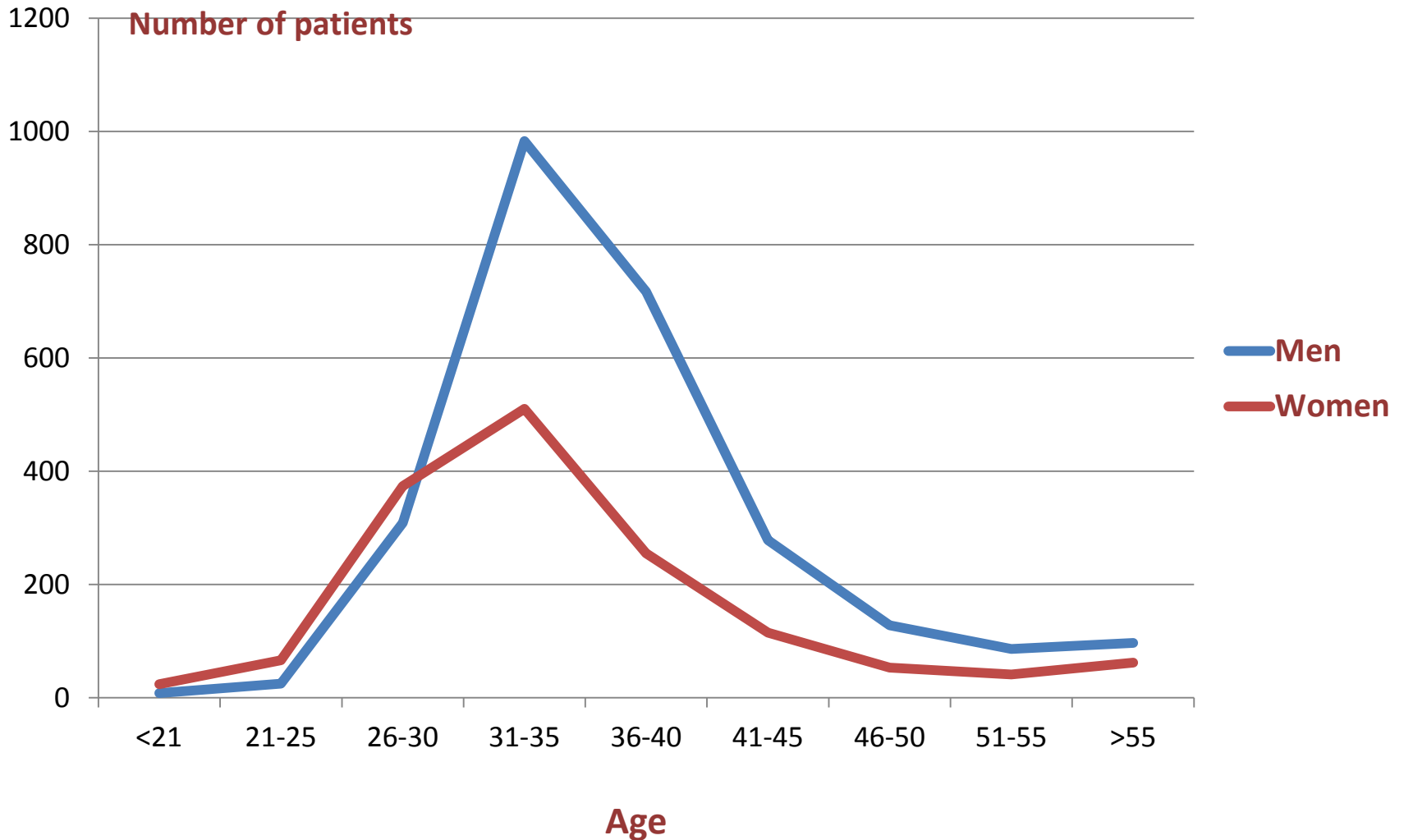
Note: Data not entered or patient left from prison



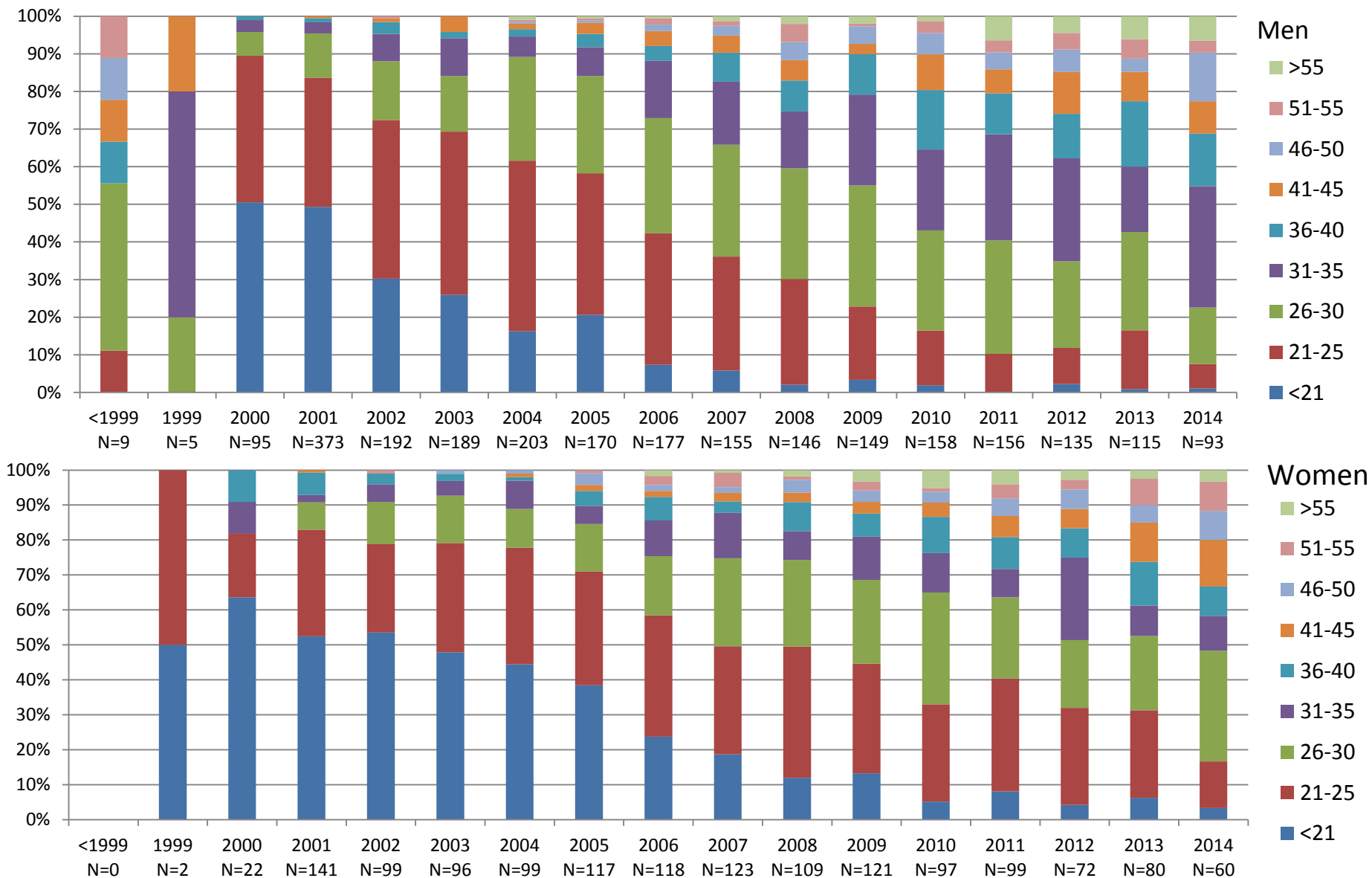
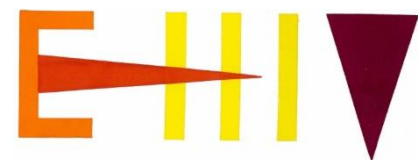
Gender distribution



Current average age in database 2014

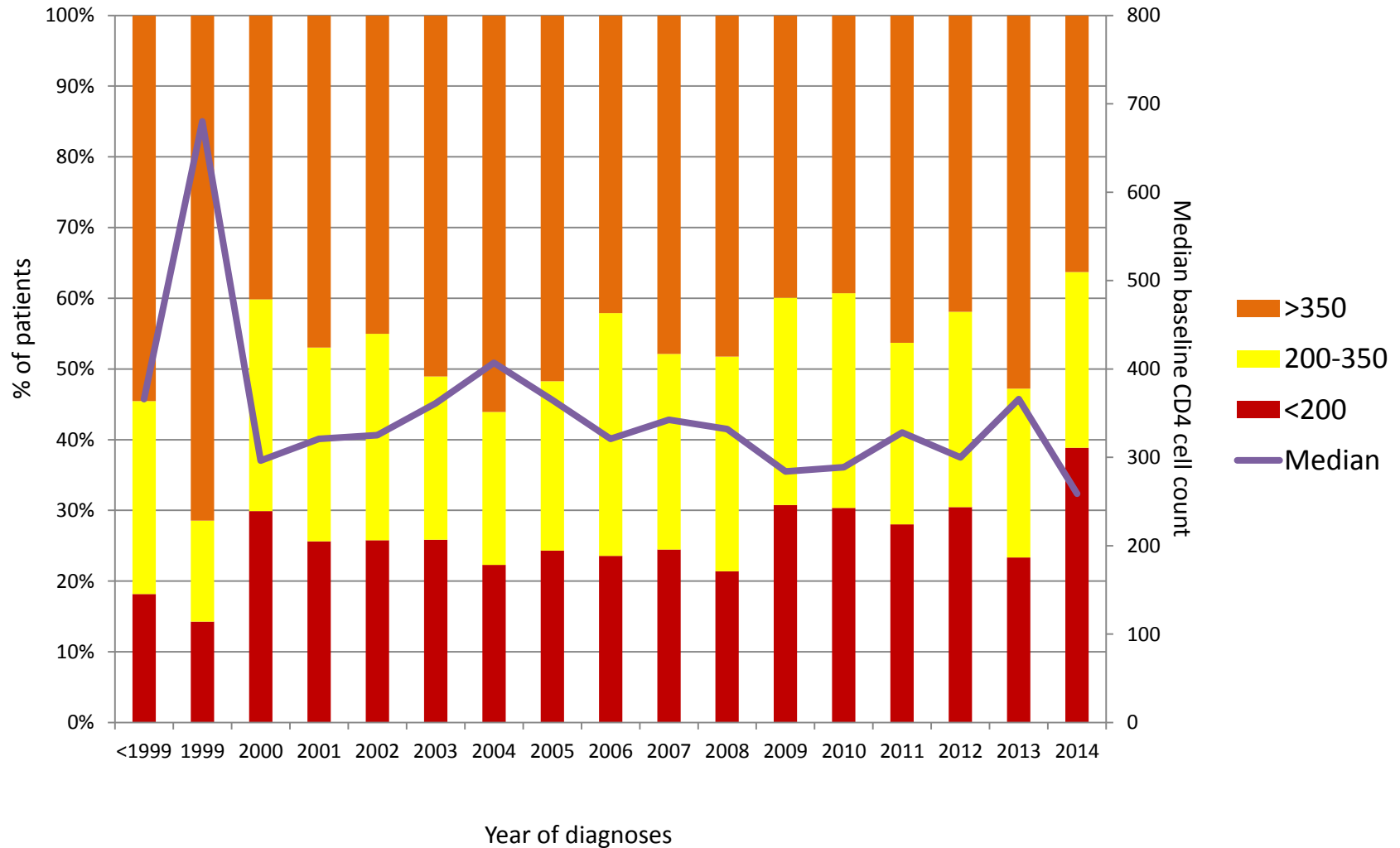


Age at diagnosis of HIV infection



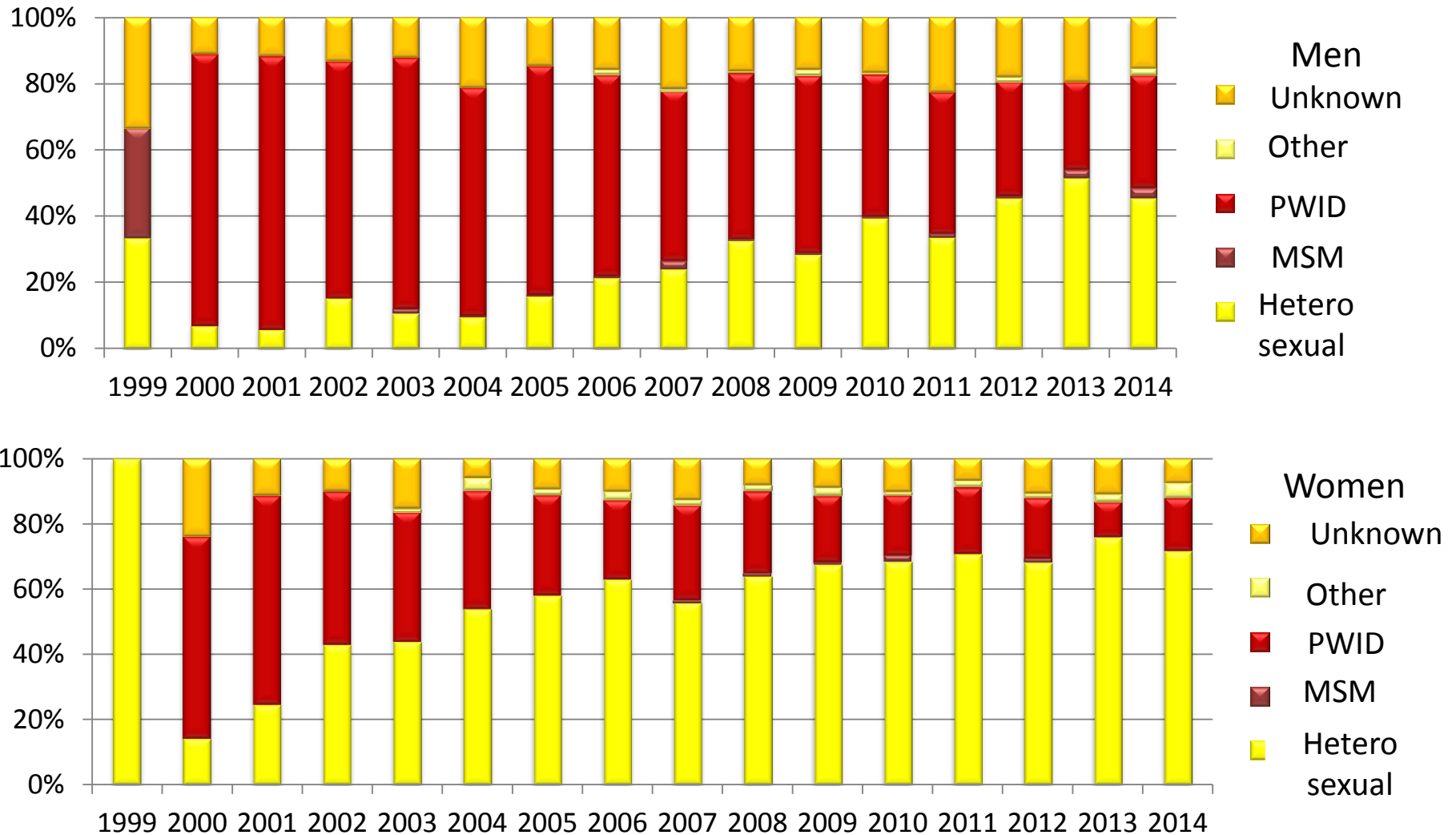


Baseline CD4 cell count

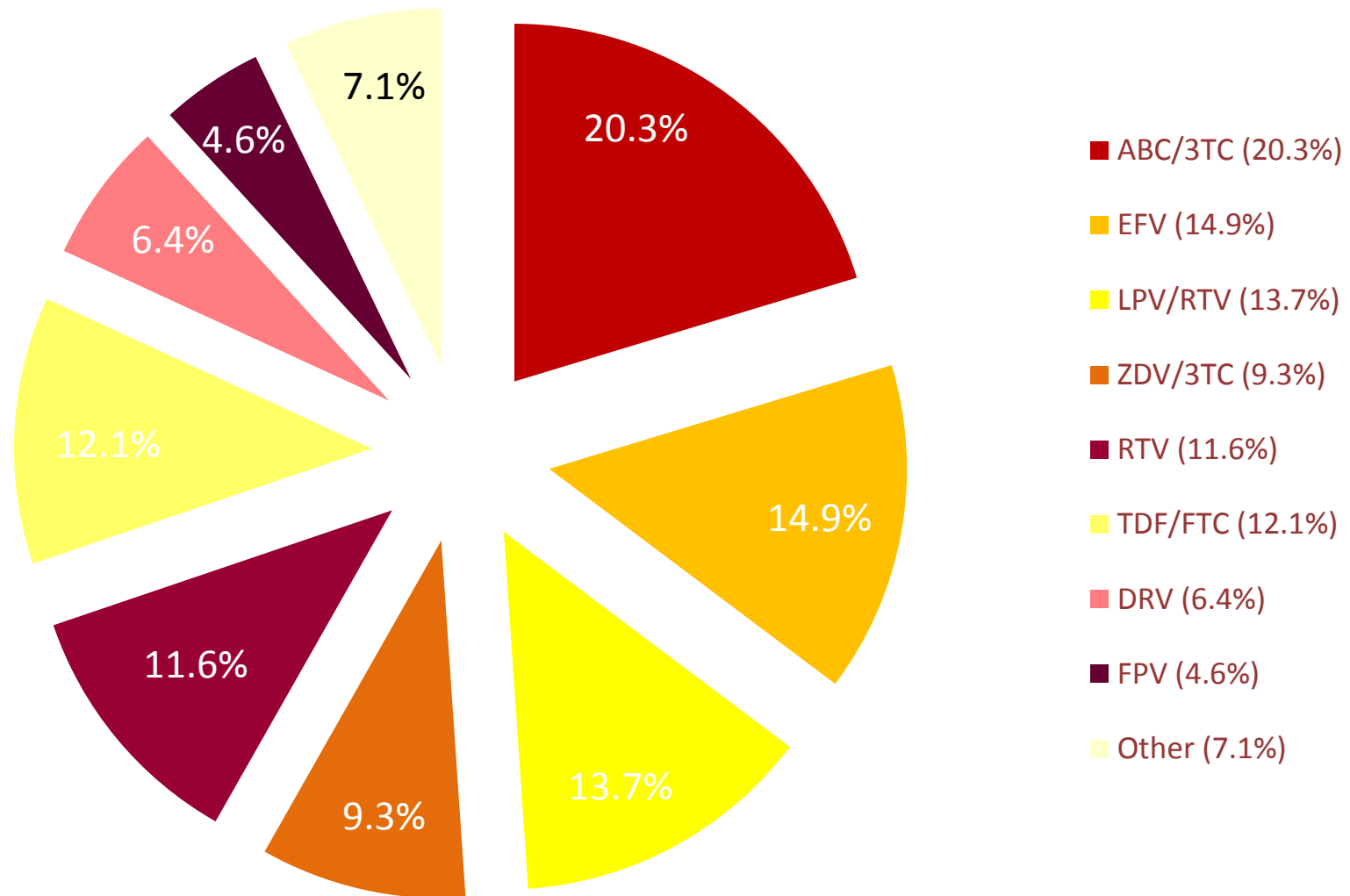


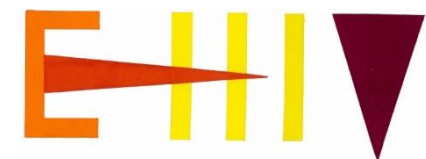


Transmission routes based on gender



ART in E-HIV



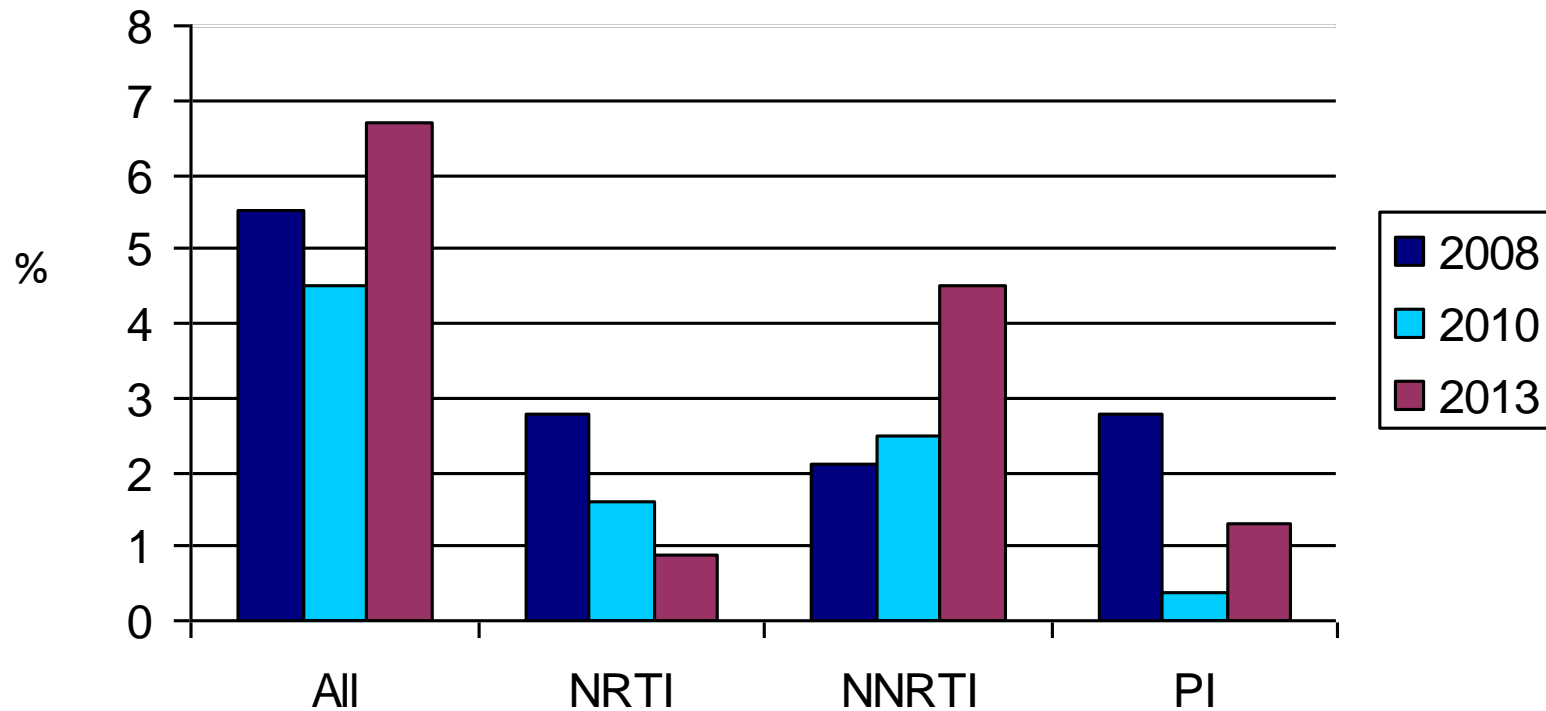


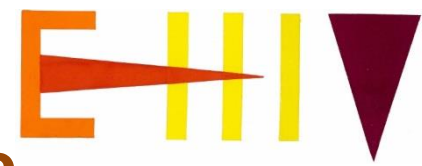
Transmitted drug resistance

	2006	2008	2010	2013
Population	Cross-sectional	Newly diagnosed 01.04.-30.11.2008	Newly diagnosed 01.01-31.12.2010	Newly diagnosed 01.01-31.12 2013
Number of sequences/subjects	115	145/201	244/325	224/295
TDR (%)	0	5.5% (95%CI 1.8; 9.2)	4.5% (95%CI 2.5;8.0)	6.7% (95%CI 3.9%;11.0%)
NNRTI	0	2.1%	2.5%	4.5%
NRTI	0	2.8%	1.6%	0.9%
PI	0	2.8%	0.4%	1.3%
Dual-class resistance	0	2.1%	0	0
Triple-class resistance	0	0	0	0

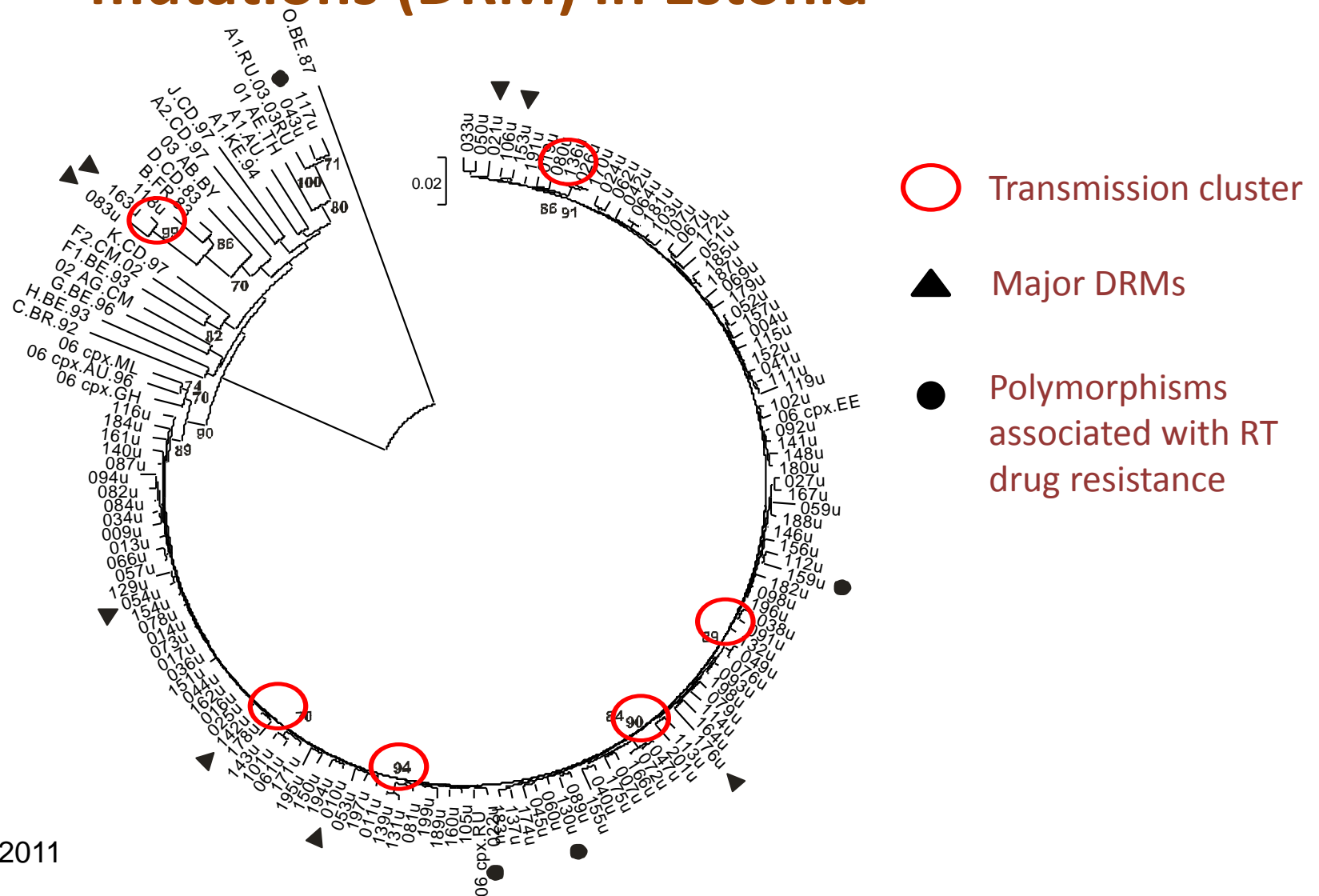
Avi et al 2009, Avi et al 2011, Avi et al 2014, unpublished data

Transmitted drug resistance





Transmission clusters of drug resistance mutations (DRM) in Estonia





HIV-1 subtypes based *pol* region



Collaborations

- Estonian Research Funding
- Ministry of Social Affairs
- Estonian Research Council
- National Institute for Health Development
- SA Archimedes



TerVE





Collaborations

- Microbiology Institute, University of Tartu
- Department of Public Health, University of Tartu
- GlaxoSmithKline
- Gilead
- EuroCoord
- Professor Sunil K. Ahuja, M.D. University of Texas, San Antonio Department of Health Science