



OPTIMISING TESTING AND LINKAGE TO CARE FOR HIV ACROSS EUROPE

Indicator condition based HIV testing in Estonia

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Executive summary

Indicator condition based HIV testing is low in Estonia

Men and younger people are tested more

No increase in testing since the development of HIV testing guidelines



New HIV diagnoses

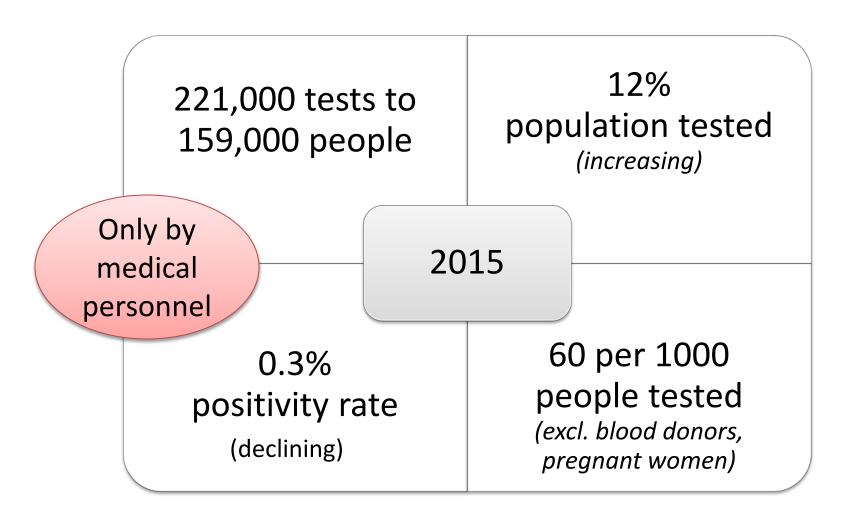
17.6 per 100,000 (n=229) (2016)

nr - mean age ↑ - 40% women heterosexual transmission ↑

60% have CD4 < 350, median CD4 = 310 (2015)



HIV testing in Estonia





Guidelines

- 1. National HIV testing guidelines (2012)
- 2. Universal HIV testing in primary care in 2 epidemic regions (2015)
- 3. HIV testing in IC guidelines:
 - Viral hepatitis
 - STIs ✓
 - Pneumonia (✓)
 - Herpes zoster ?
 - Infectious mononucleosis?



Indicator conditions

- 1. TB
- 2. STIs
- Lymphoma
- 4. Kaposi's sarcoma
- 5. Cervical, anal cancers
- 6. Herpes zoster
- Disseminated herpes simplex
- 8. HBV, HCV

9. Infectious mononucleosis

10. Unexplained leukopenia, thrombocytopenia

11. Recurrent pneumonia

- 12. Generalized seborrheic dermatitis
- 13. Generalized fungal infections
- 14. Generalized infectious warts and mollusks



Analysis

Data extraction

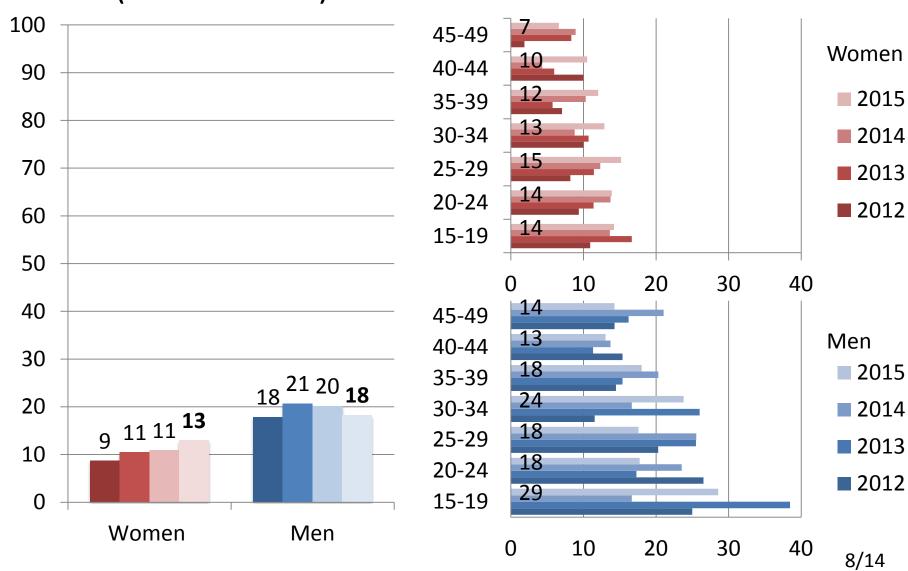
- Estonian Health
 Insurance Fund
- Based on nr of people
- 15 49 yo
- -2012 2015
- Included:
 in- and outpatient care,
 primary, specialist care
- Excluded:palliative care, dentistry

Indicator conditions (ICD-10)

- 1. Pneumonia (*J12 J18*)
- 2. Infectious mononucleosis (B27)
- 3. Viral hepatitis (B16 B18)
- 4. Herpes zoster (802)
- 5. STIs
 - Syphilis (A51 A52)
 - Gonorrhoea *(A54)*
 - Chlamydia (A56)
 - Trichomoniasis (A59)
 - Genital herpes (A60)

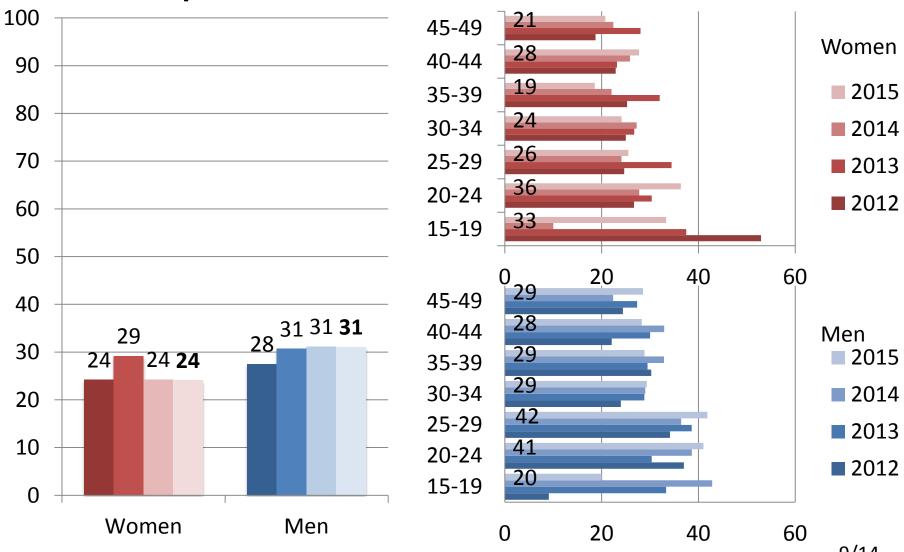


STIS (% HIV tested)



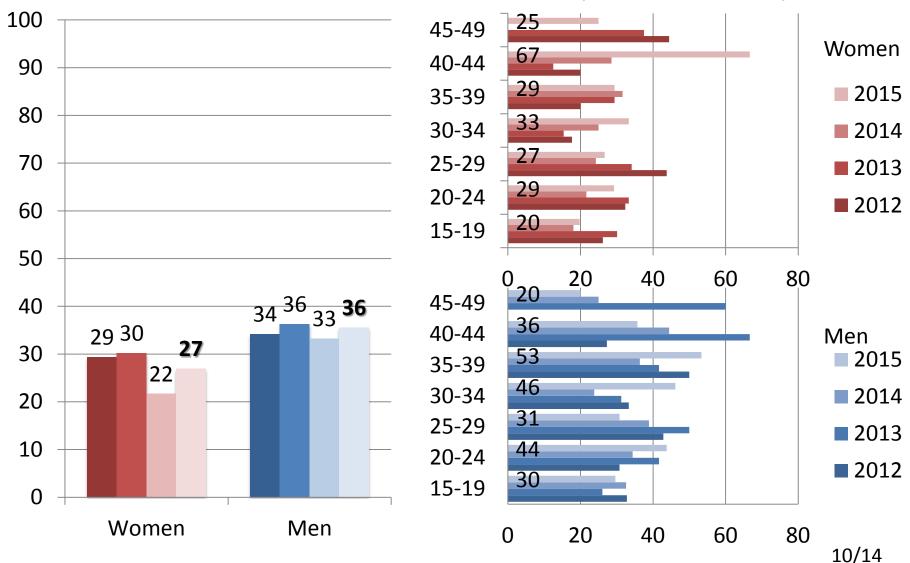


Viral Hepatitis (% HIV tested)



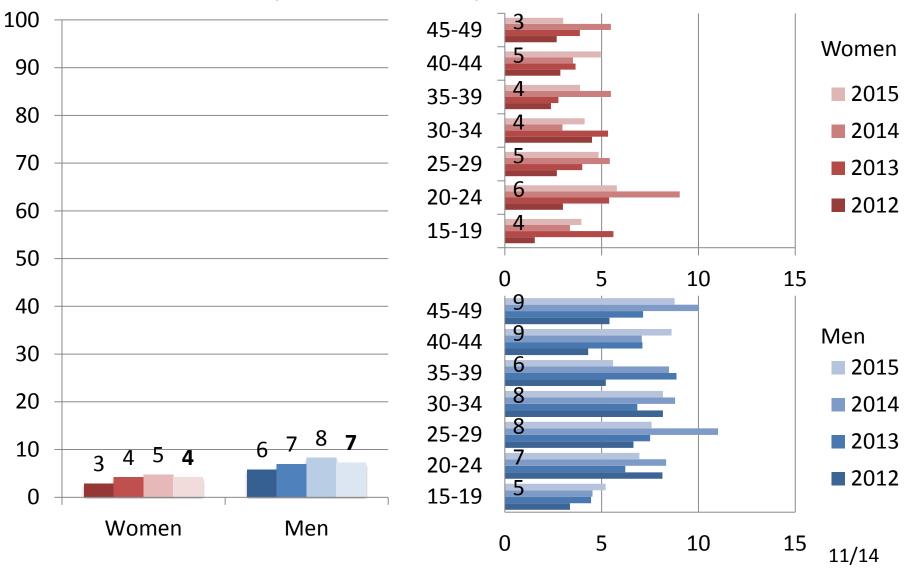


Infectious mononucleosis (% HIV tested)



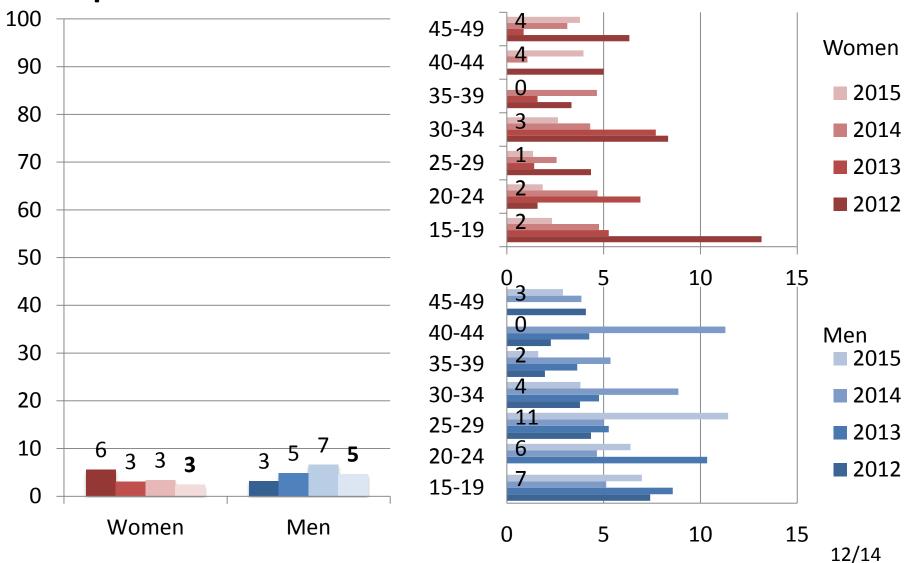


Pneumonia (% HIV tested)





Herpes zoster (% HIV tested)





Challenges

7% tested anonymously were referred by a doctor

Cost of the test from provider's general budget

Educating medical personnel on IC based testing

HIV test coding in EHIF database



Conclusions

- 1. IC based HIV testing is low:
 - ~ 5% pneumonia, herpes zoster
 - ~ 13% STIs
 - ~ 30% viral hepatitis, mononucleosis
- 2. Men tested slightly more than women
- 3. Younger people tested generally more
- 4. No upscale of IC based testing since guidelines
- 5. Administrative databases good for monitoring