



Engagement in the Continuum of HIV Care in Estonia

Kaja-Triin Laisaar, Mait Raag, Heli Rasva, Anneli Uusküla

Department of Public Health

University of Tartu, ESTONIA

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Spectrum of Engagement in HIV Care

Not in HIV Care

Engaged in HIV Care

Unaware of
HIV infection

Aware of
HIV infection
(not in care)

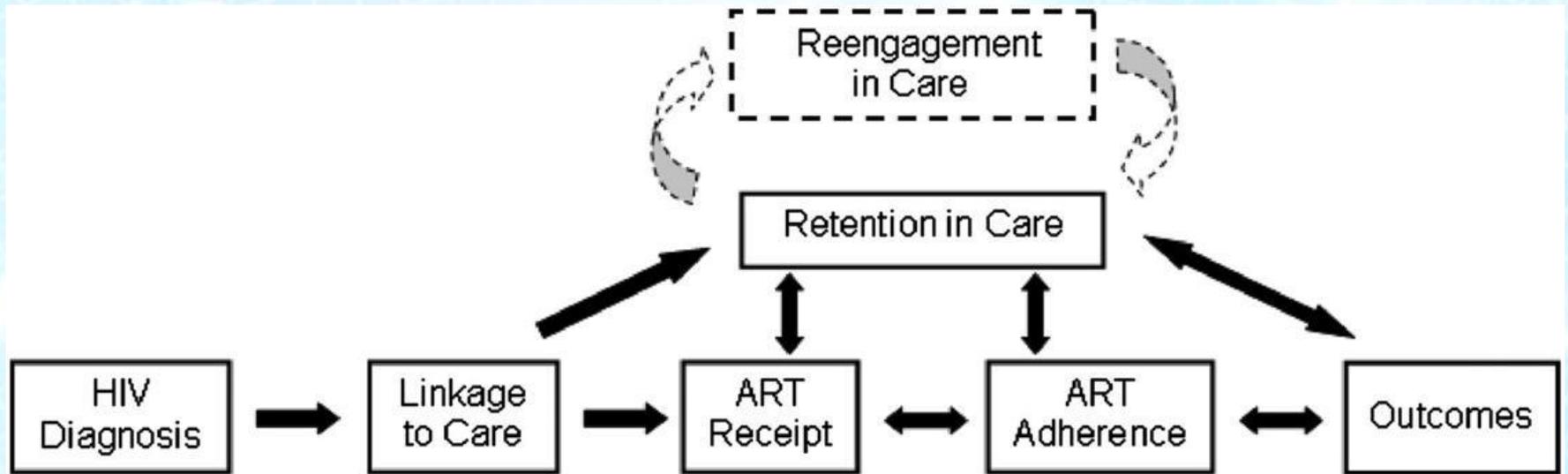
Receiving some
medical care but
not HIV care

Entered HIV
care but lost to
follow-up

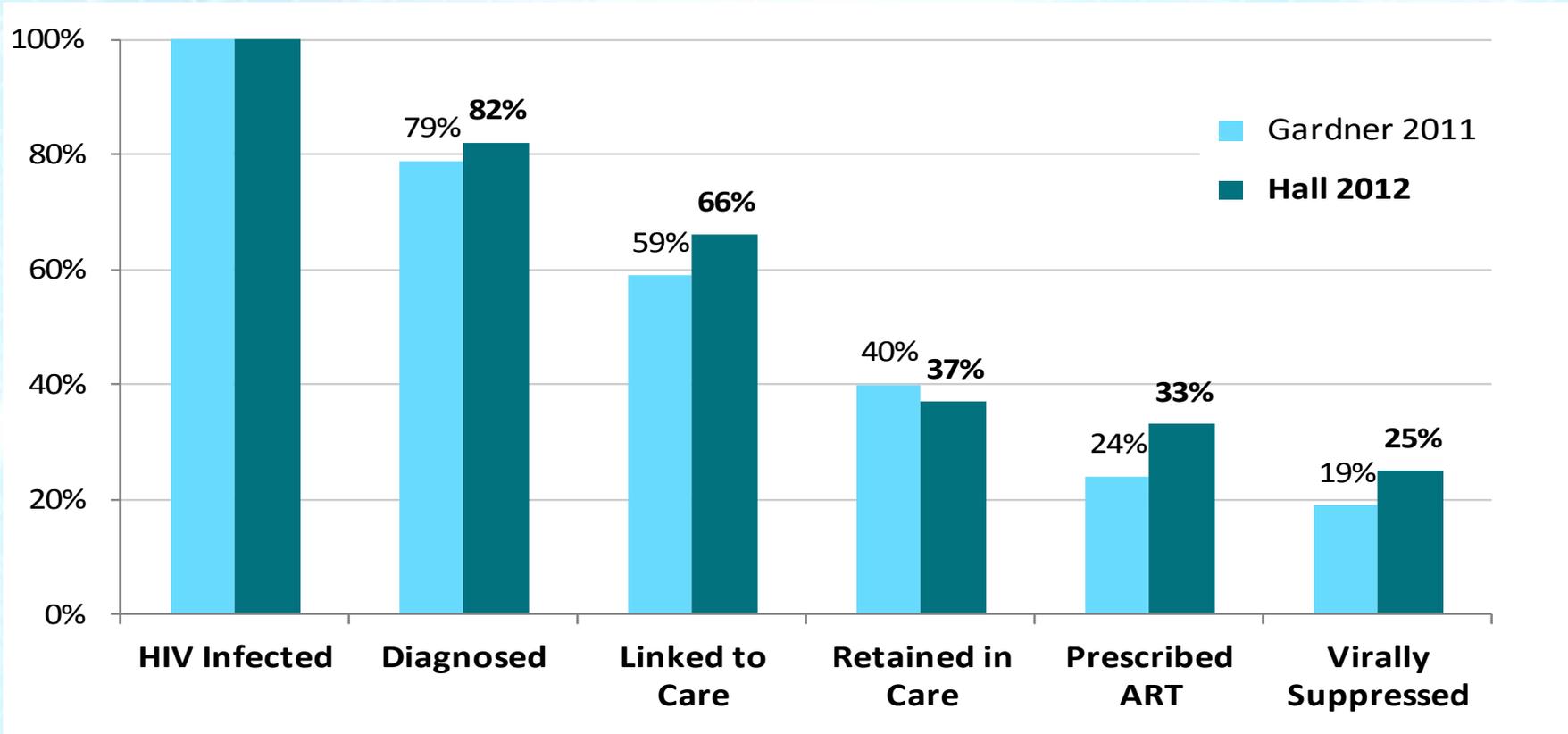
Cyclical or
intermittent user
of HIV care

Fully engaged
in HIV care

Steps and Processes of Engagement in HIV Care



Stages of Engagement in HIV Care, United States



Stages of Engagement in HIV Care, Estonia

Aim: Describe and quantify PLWHA engagement in HIV/AIDS care in Estonia

Methods: Data from published reports, surveillance and administrative databases, anonymized or aggregated

Cascade indicators defined based on CDC and the Institute of Medicine (IOM) metrics

In 2013 (as of 31.08.2013)



CDC, 2011

Morgan A et al, 2012

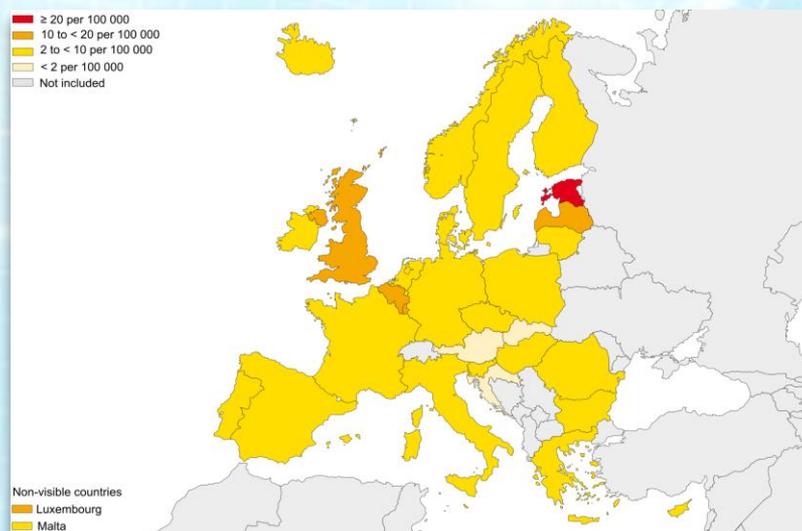
Stages of Engagement in HIV Care, Estonia

HIV Infected in 2013

Estimated number of PLWHA 7,200–11,000 (averaging 9,100)

Rate of new HIV cases 23.5 per 100 000, highest in European Union

Estimated HIV prevalence in adult (aged 15-49) population 1.3%



Stages of Engagement in HIV Care, Estonia

Diagnosed with HIV

8 150 PLWHA in Estonia on 31.08.2013 *(based on newly registered HIV cases and AIDS deaths, cumulative since 1988)*

=> **90%** of those infected have been diagnosed

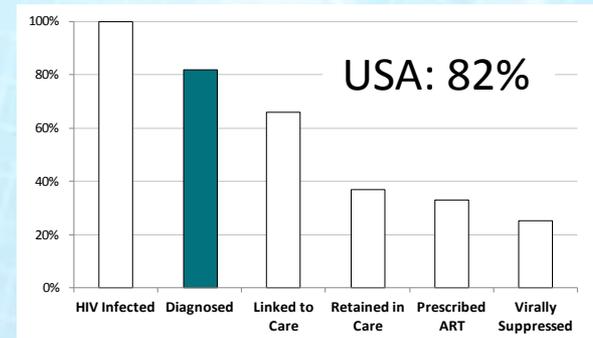
Taking into account:

- overdose induced deaths of HIV-infected IDUs

=> **87%**

- multiple registration of new HIV cases until end of 2008

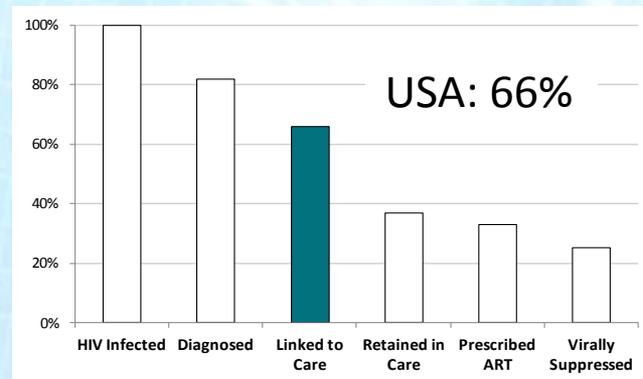
=> ? (**65%**)



Stages of Engagement in HIV Care, Estonia Linked to Care

59% of PLWHA have been linked to HIV care

(based on at least one HIV-related medical service provided by an infectious diseases doctor)



Stages of Engagement in HIV Care, Estonia

Linked to Care

92% of those linked to care, reached an infectious diseases doctor within the optimal 3 months (90 days) of being diagnosed with HIV

within 30 days	78%
60 days	86%
90 days	92%

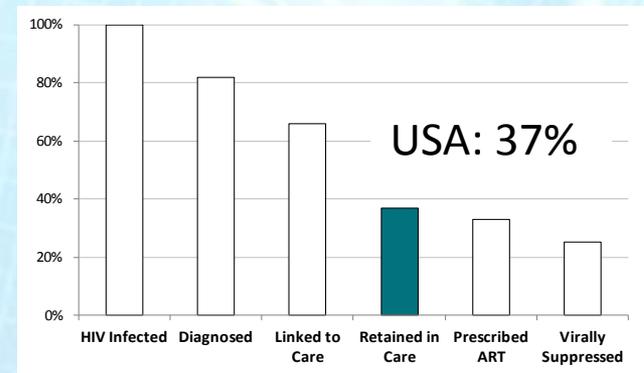
However, at linkage 59% of PLWHA had CD4 count ≤ 350 cells/mm³

Stages of Engagement in HIV Care, Estonia

Retained in Care

33% of PLWHA can be considered retained in HIV care
*(had made at least 2 HIV-related visits at least 3 months apart
in previous 12 months)*

- HIV-related out-patient visits to infectious diseases doctors
- antiretroviral medication pick-up and counselling visits to nurses

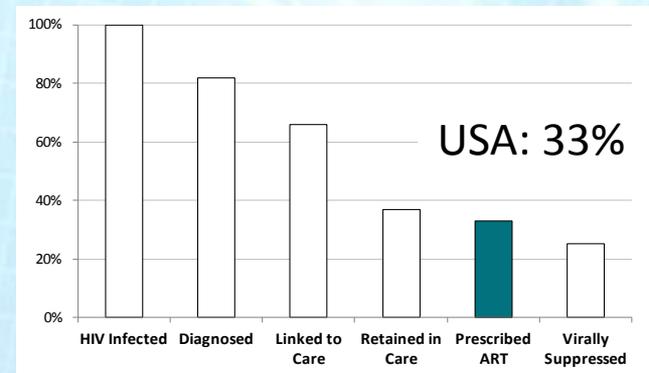


Stages of Engagement in HIV Care, Estonia

Prescribed ART

29% of PLWHA on antiretroviral therapy (ART) on 31.08.2013

However, 30% of those not on ART have CD4 count ≤ 350 cells/mm³



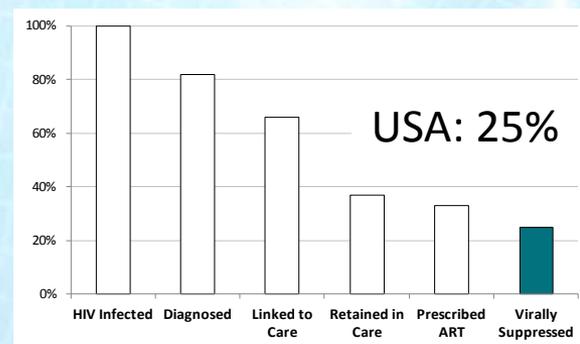
Stages of Engagement in HIV Care, Estonia

Virally Suppressed

19% of PLWHA have HI-virus suppressed (*viral load* ≤ 200 copies/ml)

64% of PLWHA on ART are good treatment adherers

36% of PLWHA on ART are not good treatment adherers



Engagement in the Continuum of HIV Care in Estonia, 2013

Testing:

- up to 35% PLWHA not diagnosed
- PLWHA reach the care they need too late (*based on CD4 count*)

Antiretroviral treatment (ART):

- about 1/3 of those not on ART should be prescribed ART (*based on CD4 count*)
- more than 1/3 of those on ART have low adherence (*based on viral load data plus evidence from other local studies*)