

Mini-Oral Abstract Presentations 2

#16 Trends in Transmitted Drug Resistance in A Cohort Of ART-Naive HIV-1 Infected Individuals in Ethiopia

Mulugeta Kiros, Ethiopia

Increased HIV-1C Pretreatment Drug Resistance with Consistent Clade Homogeneity among ART naive HIV-1 infected individuals in Ethiopia

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Objectives

- To determine the magnitude of pretreatment HIV-1 drug resistance (PDR)

Study design, setting and participants

- Institutional based cross-sectional
- Four government-affiliated VCT centers in Addis Ababa
- ART-naive adult individuals, non-pregnant

Result and Discussion

- **Sociodemographic variable**

Sex	Female	54.9%
Age group	18 - 28	45.1%
Viral Load	>100,000 copies/ml	56.8%

- **PDR; 5/51 (9.8%);**

- According to both Criteria's
(CPR tool and IAS-USA 2019 mutation list)

- **Moderate**

Higher Than:

- ✓ Absence of PDRM screening
- ✓ Poor level of adherence

Continued...

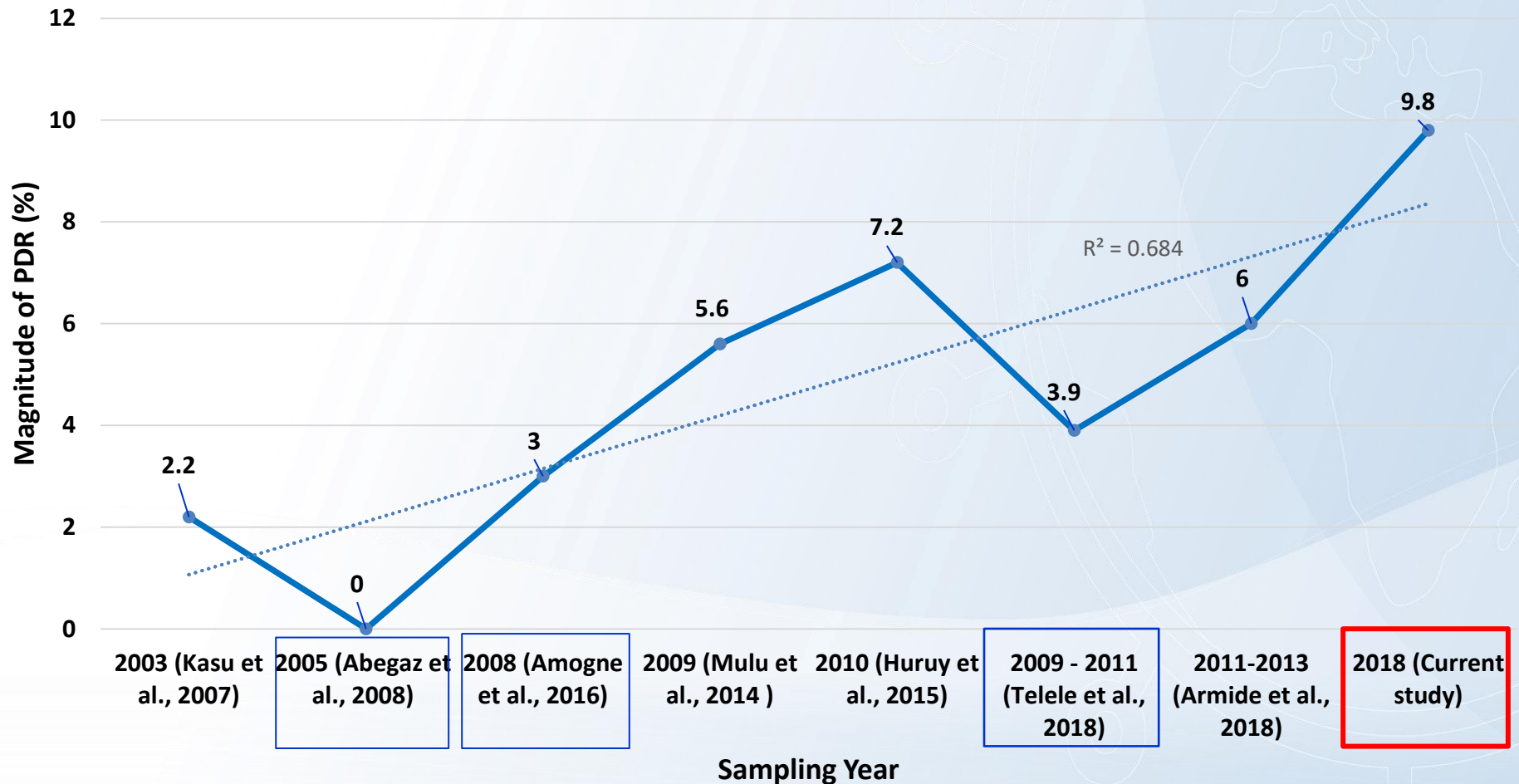


Figure 2: Trend of PDR Magnitude over years in Ethiopia

Conclusion and recommendation

- Increased level of HIV-1 PDR
 - 15 years after the rollout of ART in Ethiopia
 - Highlights the need for routine HIV-1 drug resistance testing before ART
 - A broader public health action to prevent the emergence and transmission of drug-resistant variants

Acknowledgments



- Study Participants



Thank you all

Questions???