

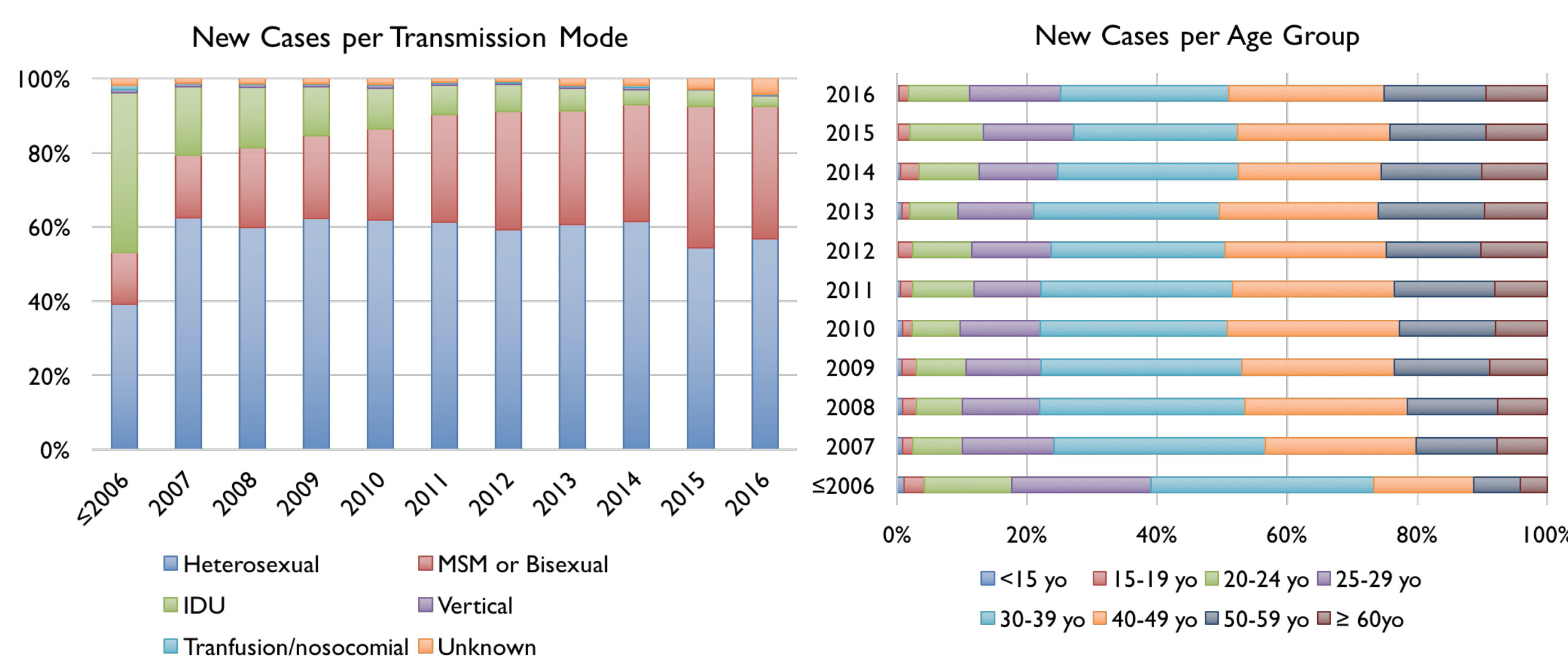
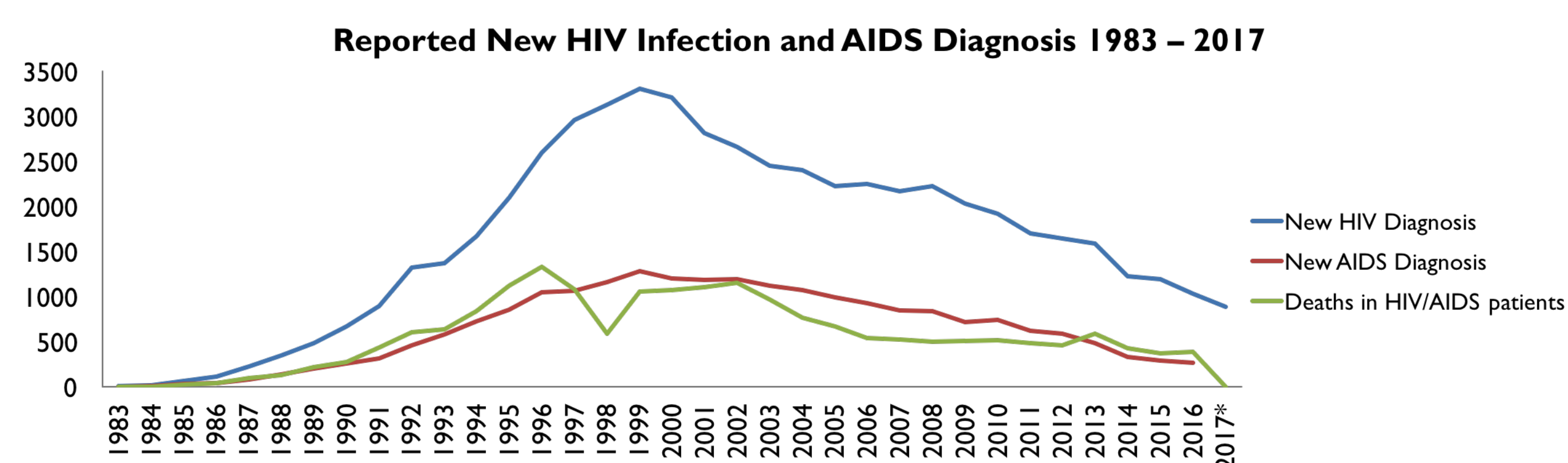
# HIV INFECTION AND AIDS IN PORTUGAL 35 YEARS LATER

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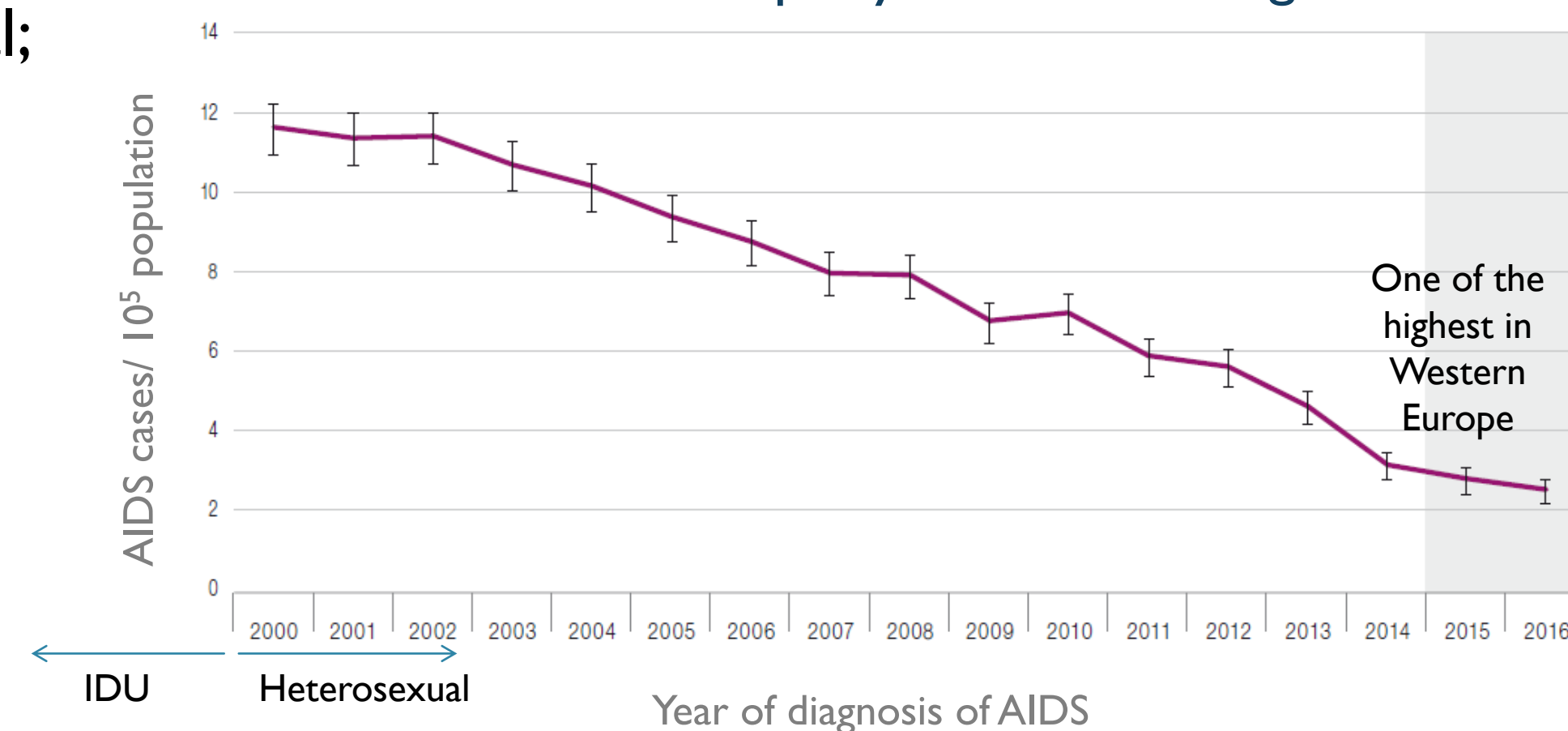
## Evolution of New HIV Infections <sup>1,2</sup>

✓ In 2016, an estimated total of 38959 people were living with HIV in Portugal;



## AIDS and associated mortality <sup>1,2</sup>

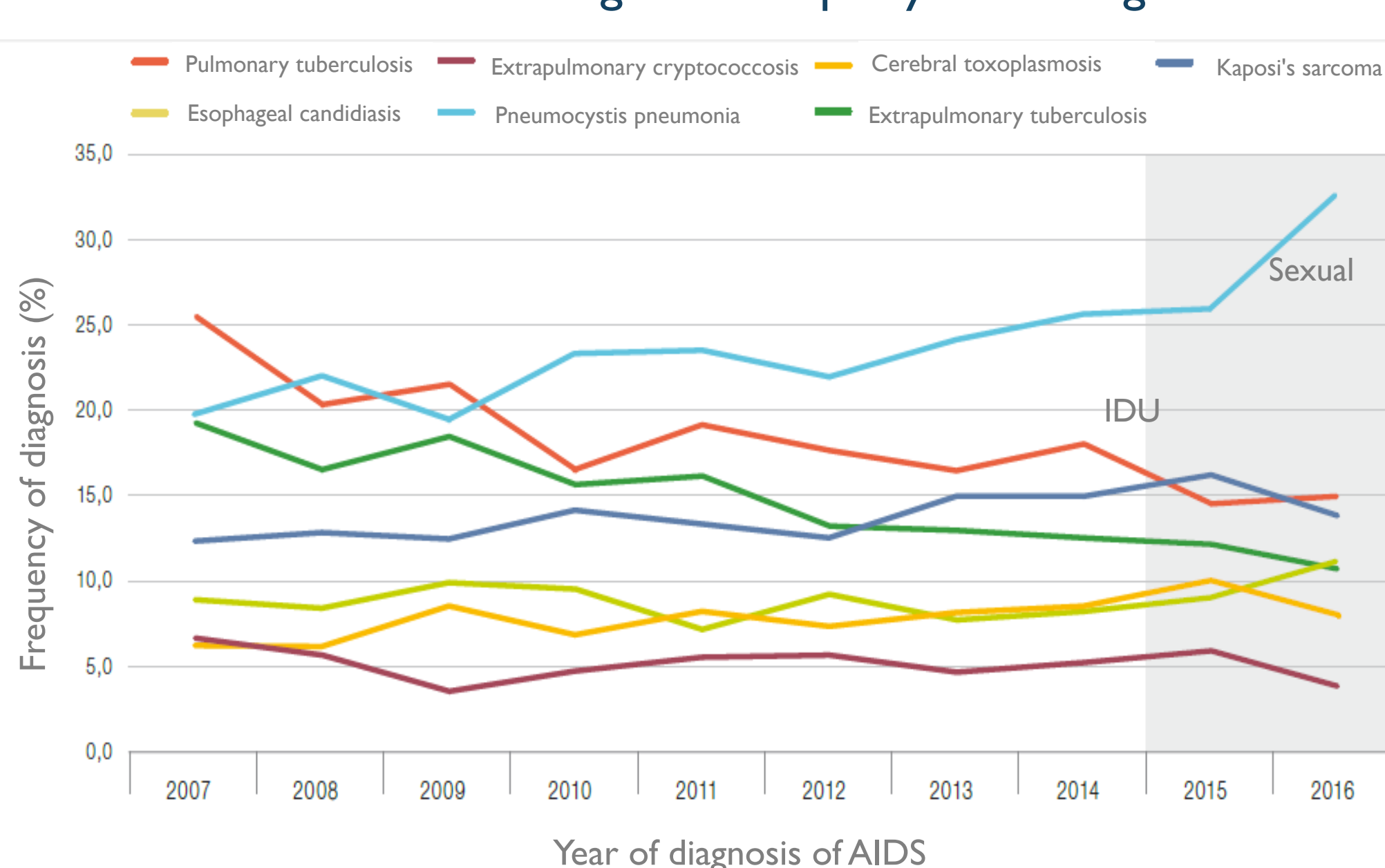
Incidence of AIDS per year of AIDS diagnosis



From 1983 to 2016:

- 56001 cases of HIV
- 21614 cases of AIDS (39%)
- 11020 deaths

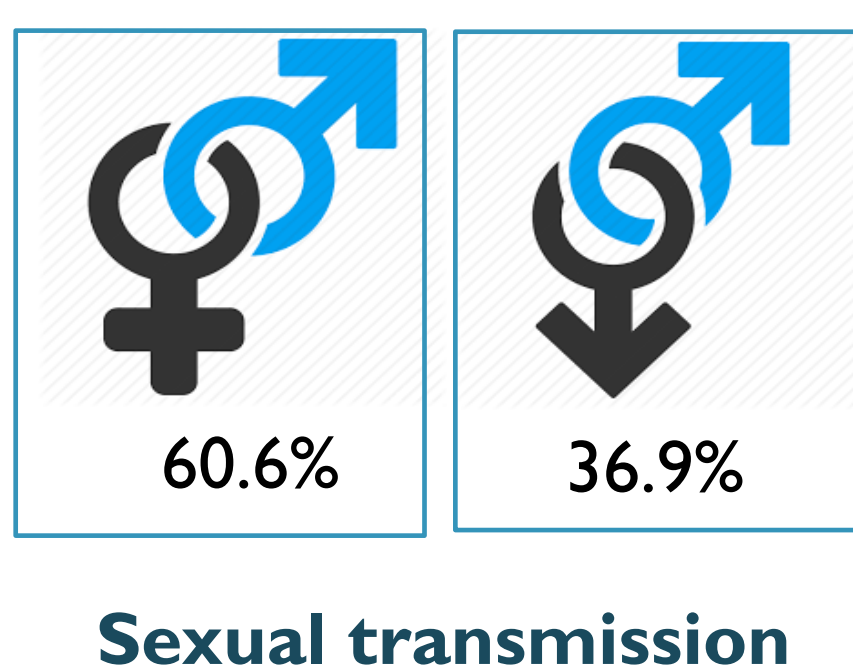
Most common AIDS defining illnesses per year of diagnosis of AIDS



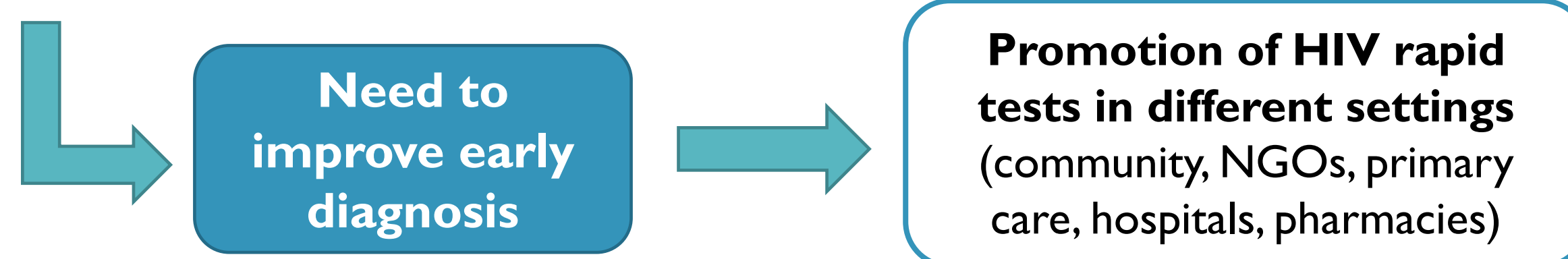
✓ In 2017

**886 new HIV patients**

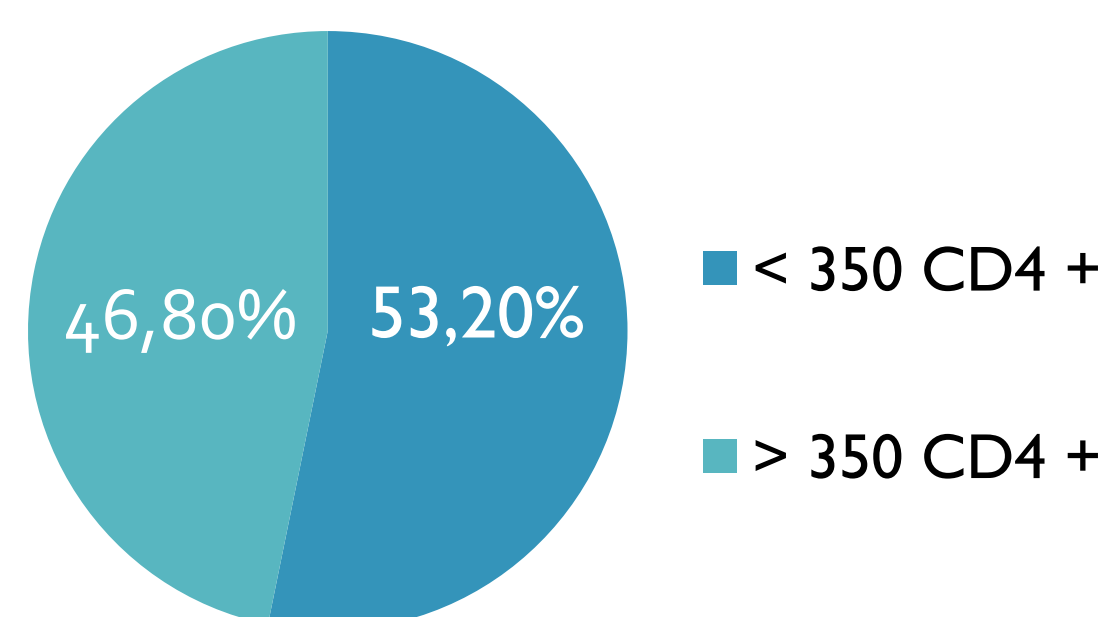
**142 (16%) AIDS**



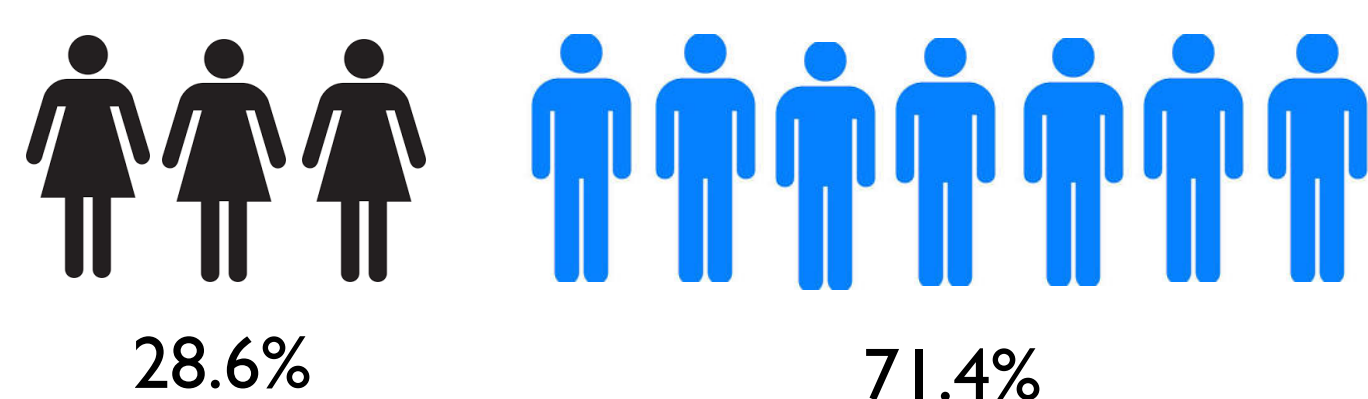
- ✓ The incidence of AIDS has been declining but is still one of the highest in Western Europe. Tuberculosis is the most prevalent cumulative AIDS defining illness, but in the last decade, Pneumocystis pneumonia has been the most frequently reported.
- ✓ The mortality has decreased dramatically and most patients survive over a decade after the diagnosis of HIV infection.



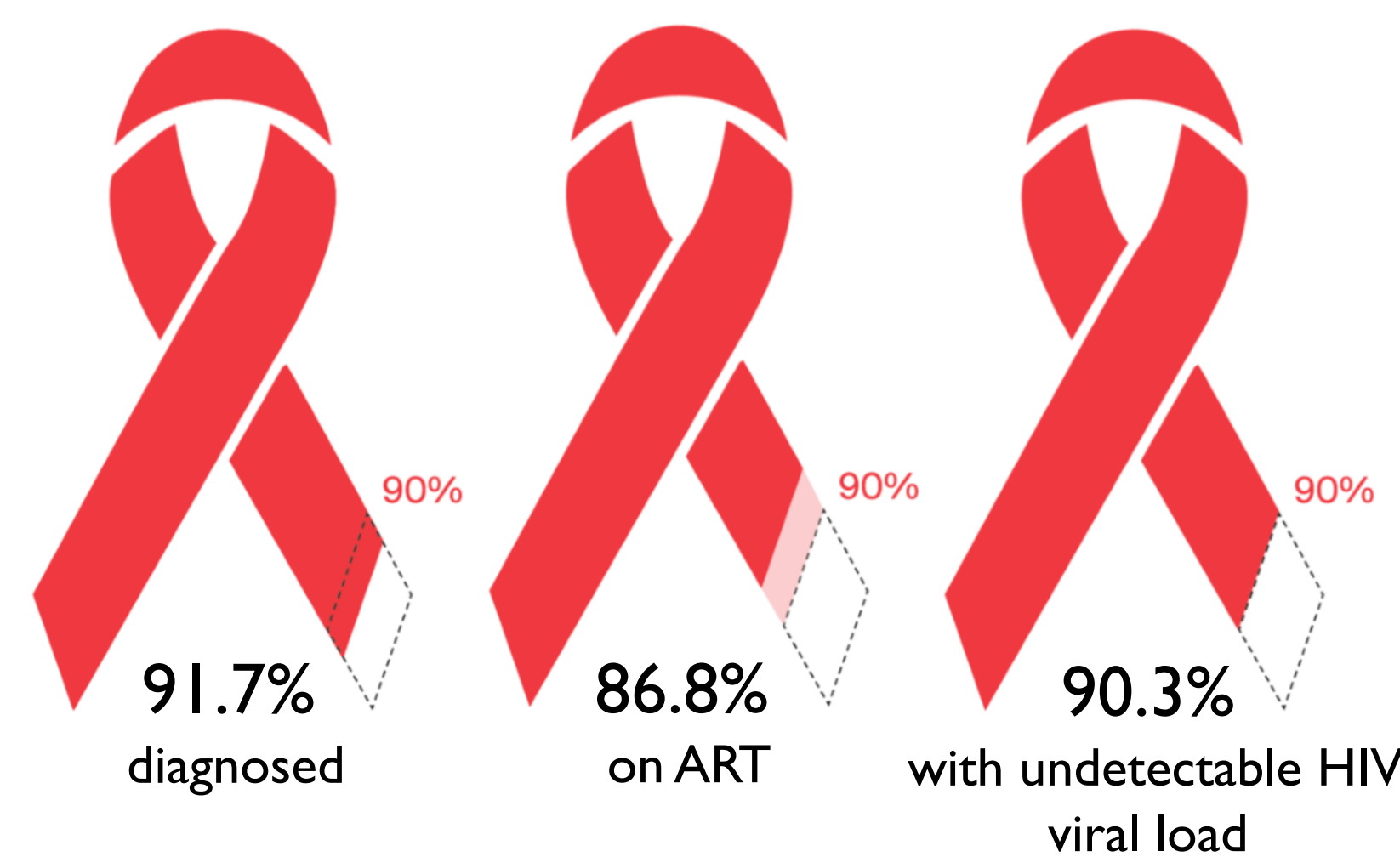
**CD4 Count**



**Gender distribution**



## UNAIDS 90-90-90 <sup>1</sup>



2 out of 3 targets achieved in 2016

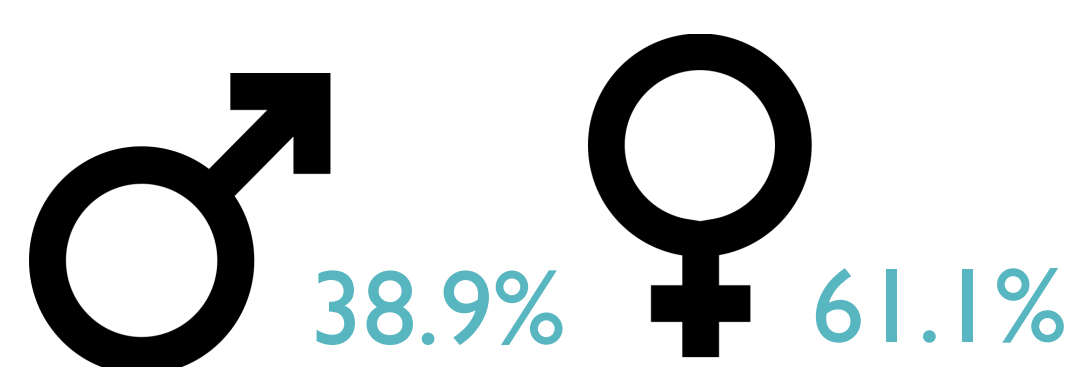
- ✓ In 2017, PrEP was approved by the government and is available since February 2018;
- ✓ In 2018 it's the 25<sup>th</sup> anniversary of the "Syringe Exchange program" that was responsible for the decline in the rates of HIV infection among IV drug users.

## HIV-2 INFECTION <sup>3,4</sup>

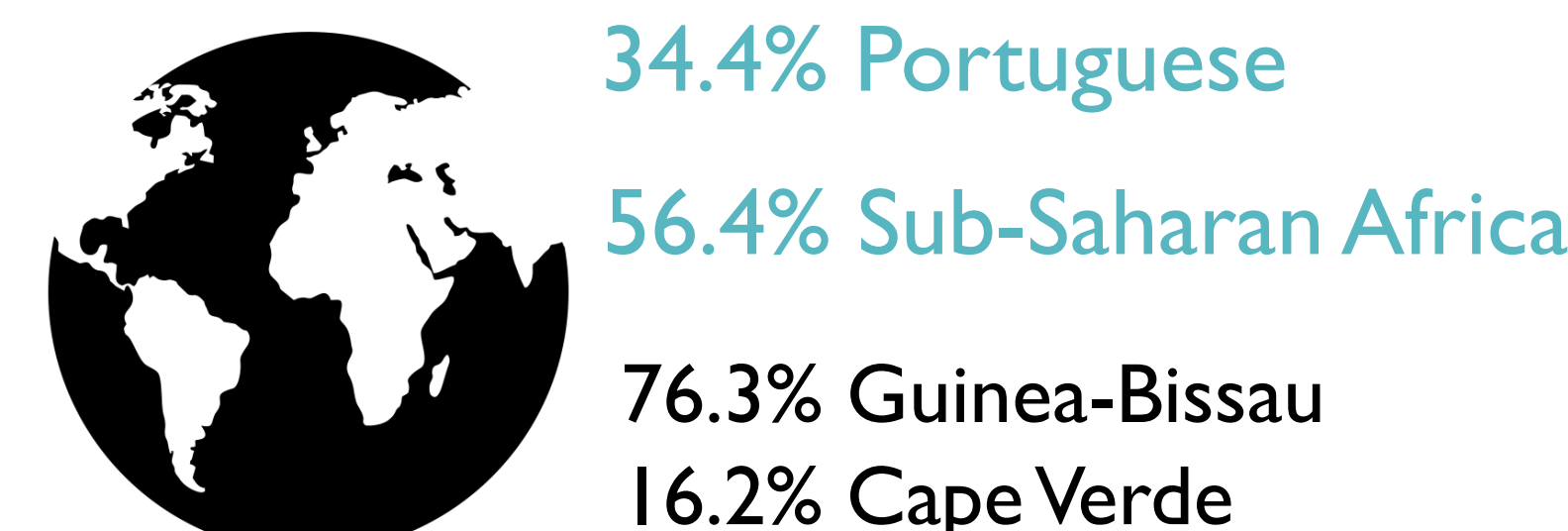
- Discovered in 1986;
- Around 1-2 million people infected in the world, mostly in West Africa;
- Less pathogenic than HIV-1;
- Longer asymptomatic stage with slower decline in T CD4<sup>+</sup> cell count;
- Lower viral load in the plasma and lower transmission rate;
- Deterioration of T CD4<sup>+</sup> count can occur with undetectable viremia;
- Similar opportunist disease with late stage HIV-2;
- Urgent need of point-of-care testing and viral load monitoring in resource-limited settings;
- Intrinsic resistance to treatment with NNRTIs and enfuvirtide. <sup>3</sup>

PORTUGAL

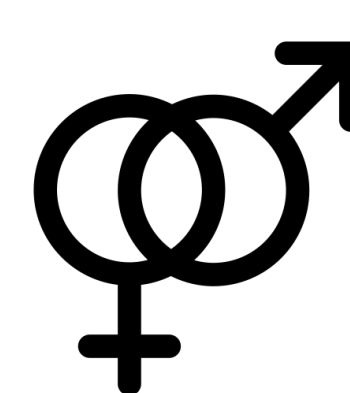
✓ **988 cases<sup>4</sup>** (in active follow-up)



**Median age at diagnosis 56 years old**  
(minimum 7 yo; maximum 87 yo)

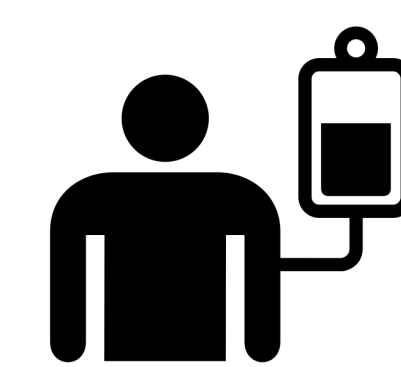


✓ **69.2% live in the Lisbon urban area**



**88.6% Heterosexual transmission**

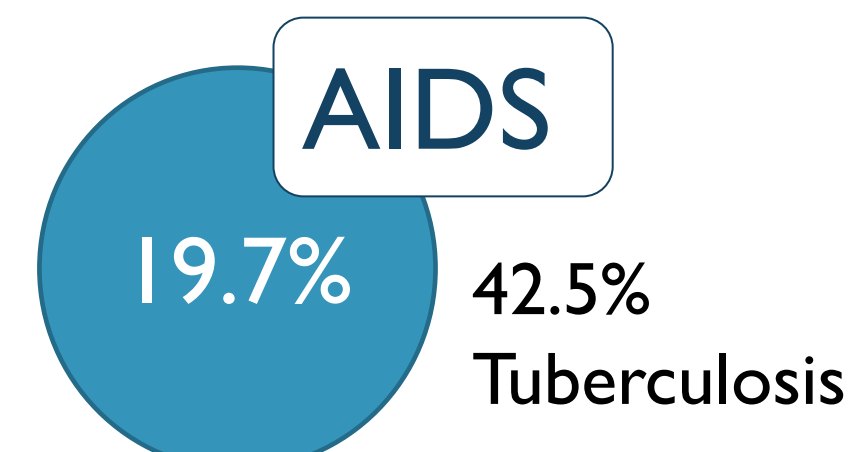
**5.9% Other routes** (mother-child, MSM, IDU, haemophiliac)



**5.5% Blood transfusion**

✓ **Median CD4<sup>+</sup> count** (2013-2017) **427 cells/mm<sup>3</sup>**

**75.7% Asymptomatic at diagnosis**



**90-90-90 for HIV-2?**