

# **Integration of collaborative TB/HIV activities with harm reduction services**

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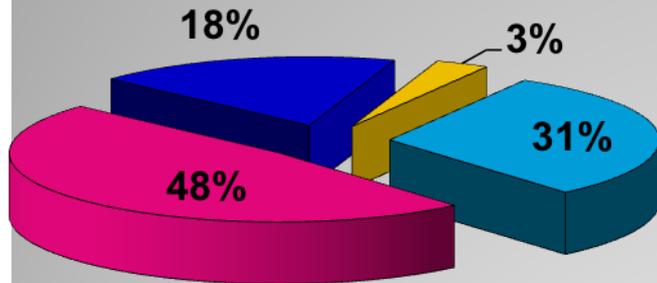
State service on HIV/AIDS and other socially diseases  
control,  
Head of Department on HIV/AIDS combating

- Epidemiological and diseases – specific background
- Ukraine has the most severe HIV epidemic in the Eastern Europe & Central Asia, with more than **211 230** cases HIV - infection diagnosed since the beginning of HIV surveillance in 1987.
- **50 629** cases of AIDS had been diagnosed among citizens of Ukraine, including **26360** AIDS-related death.
- Despite of the high prevalence HIV infection, the epidemic in Ukraine is still classified as concentrated. The prevalence of HIV has consistently exceeded 5% among various subpopulations of injection drug-users (IDUs), female sex workers (FSWs), and men who have sex with men (MSM), but remains less than 1% in pregnant women in urban areas.

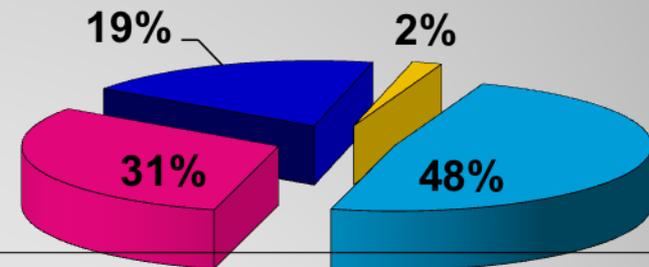
- **Data of the official statistic on HIV/AIDS, Tb in Ukraine**
- Based on the official statistical data of the Ministry of health of Ukraine (June 2012):
- - **122 000** HIV – infected people living under medical observation (prevalence of HIV among general population 264,3 on 100 000);
- In 2011 in Ukraine were diagnosed:
- - **21 177** new cases of HIV (prevalence 46,2 on 100 000), 9189 – AIDS, among them **5745 AIDS/TB (62,5%)**
- - **30695** new cases of Tb (prevalence 67,2 on 100 000) **11 217** patients have HIV/TB;

# Basic modes of HIV-infection

2003 year



2008 year

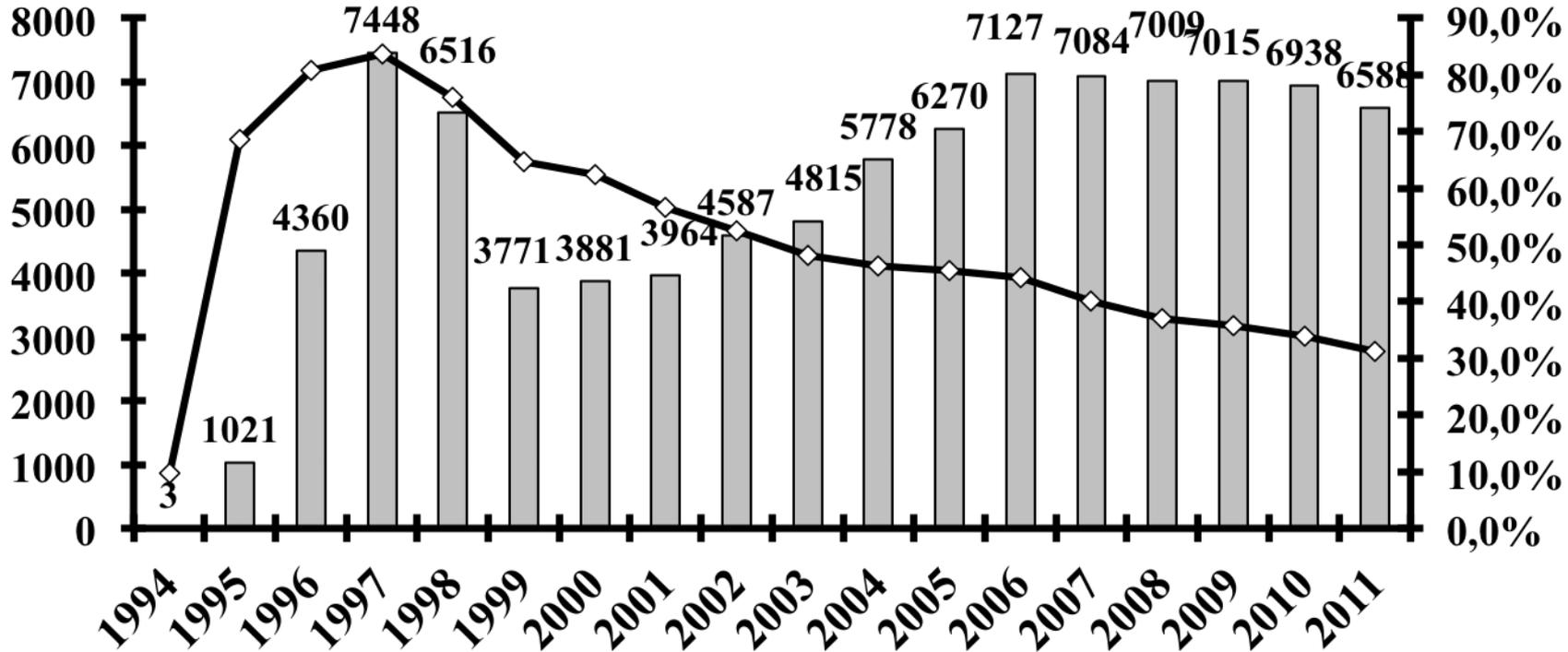


- sexual transmission
- injection drugs
- Vertical transmission from mother to child
- unknow

- sexual transmission
- injection drugs
- vertical transmission HIV-infection from mother to child

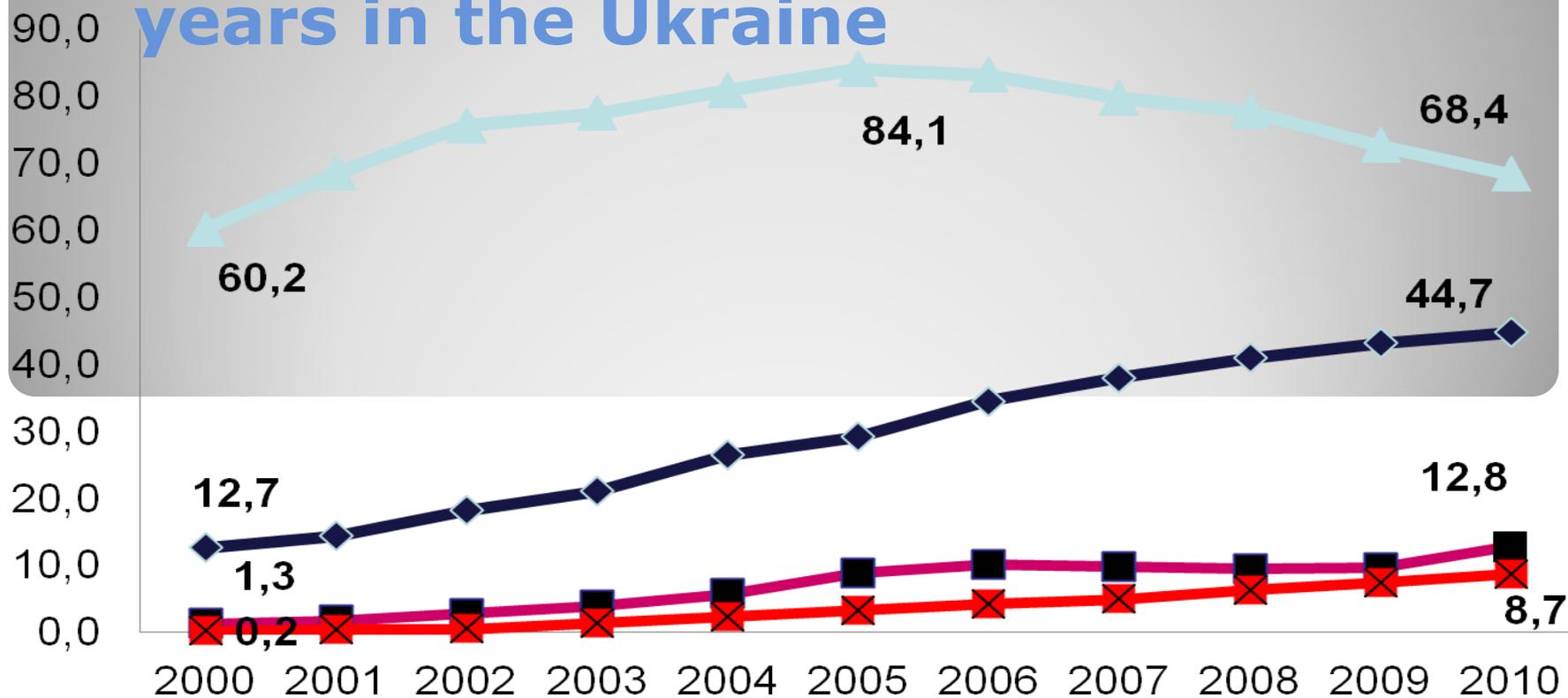
- **HIV among most at-risk populations**
- The HIV epidemic in Ukraine remains largely concentrated among most-at-risk populations (MARPs), including injecting drug users (IDUs), sex workers (SWs), men who have sex with men (MSM), and sexual partners of these populations. While there are gaps in the coverage and completeness of routine HIV sero-surveillance among these populations, official data indicate that the epidemic continues to decrease among IDUs and increase among their sexual partners. However, the proportion of IDUs among newly reported HIV cases is decreasing every year, from 83.6% in 1997 to 31% in 2011

# New cases of HIV in the group of IDU (1994-2011)



cases HIV among IDU
  % IDU among new cases of HIV

# HIV, AIDS, TB and HIV/Tb morbidity (per 100 thousands) in 2000 – 2010 years in the Ukraine



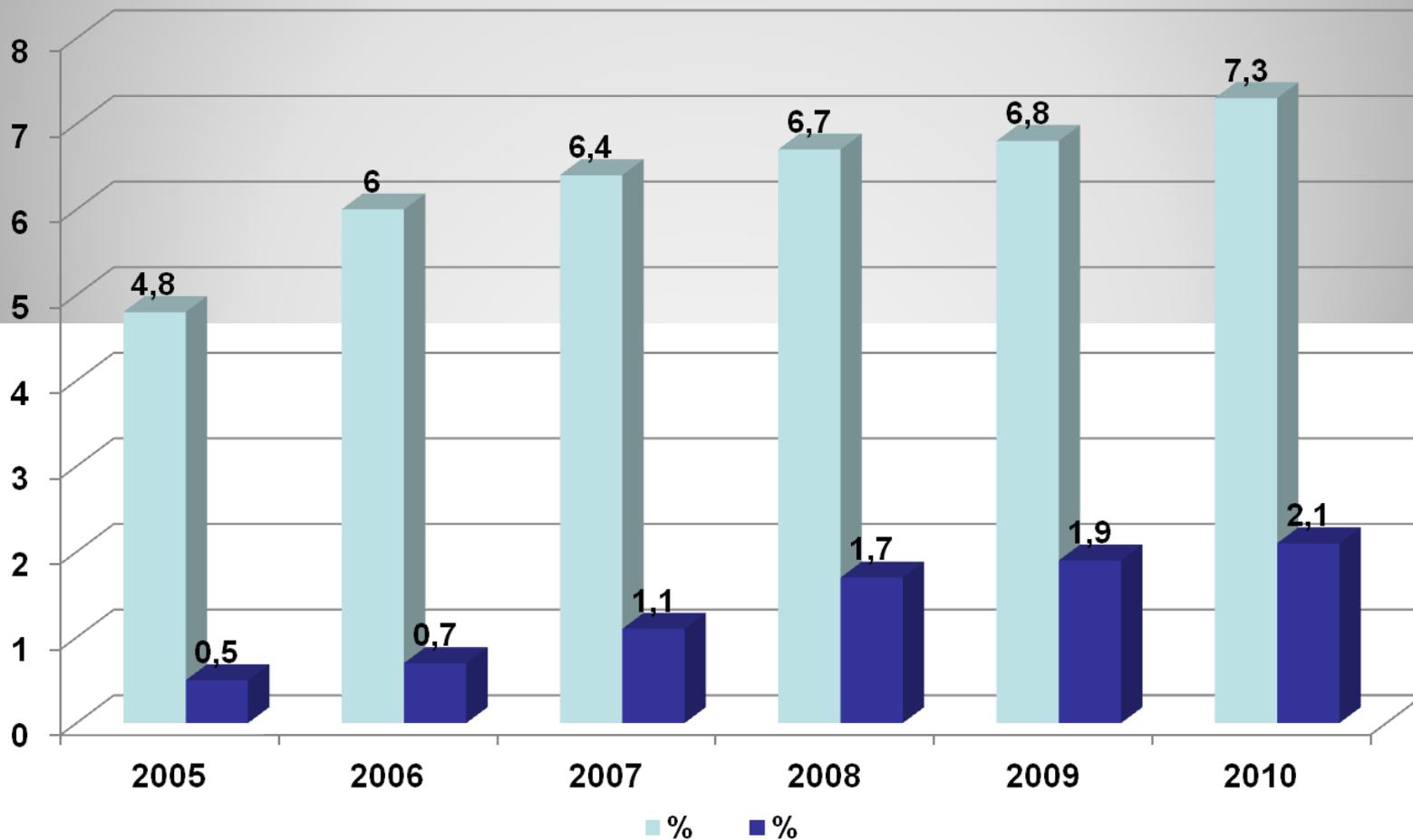
◆ ВІЛ  
HIV

■ СНІД  
AIDS

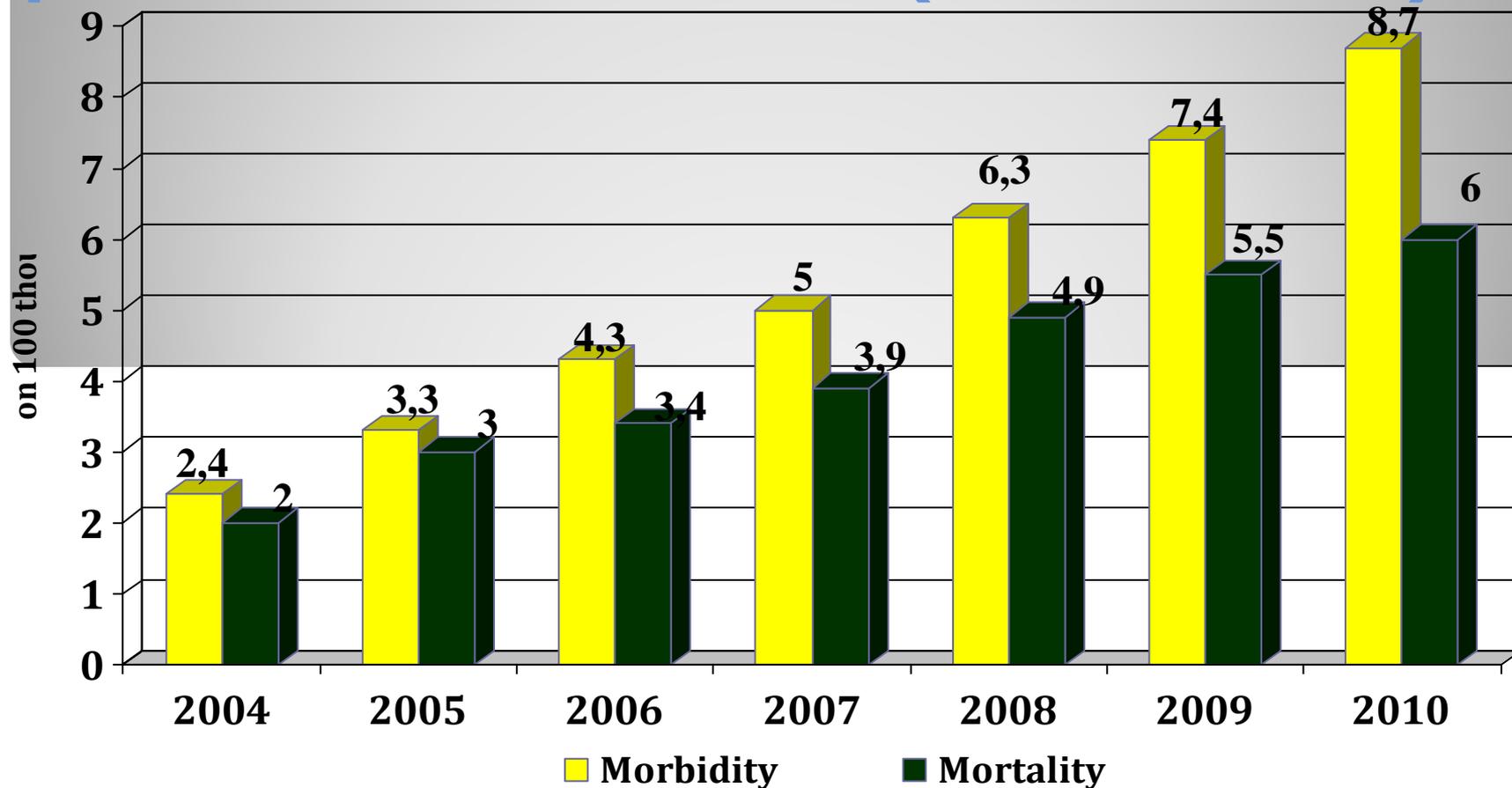
▲ ТБ  
TB

✖ ТБ/ВІЛ  
TB/HIV

# Prevalence of TB among HIV-infected in the Ukraine



## Morbidity and mortality of HIV/TB patients in the Ukraine (2004 – 2010)



- Implementation of WHO recommendations in the area of collaborative activities in the Ukraine
- **A Establish and strengthen the mechanism for delivering integrated TB and HIV services**
  - A.1. set up and strengthen a coordinating body for collaborative TB/HIV activities functional at all levels  
The State Service on HIV/AIDS and other socially diseases control (governmental body – central body of executive authority) was organized in 2011 in the Ukraine: CCM on the national and 27 Regional coordination council on HIV/AIDS, TB and drug-addiction control on the regional level
  - A.2. Determine HIV prevalence among TB patients and TB prevalence among people living with HIV
  - A. 3. Carry out joint TB/HIV planning to integrate the delivery of TB and HIV service
  - A. 4. Monitor and evaluate collaborative TB/HIV activities

# Organizational structure of HIV/AIDS counteraction



**Ministry of Health of Ukraine**  
**State service on HIV/AIDS and other dangerous diseases control**

**Regional managements of health system (27)**

**Regional sanitarian-epidemiological stations (SES)**

- **Regional Centers of HIV/AIDS counteraction**

- **Infectional hospitals**

- **Narcological hospitals**

- **Tb hospitals**

- **Blood transfusion stations**

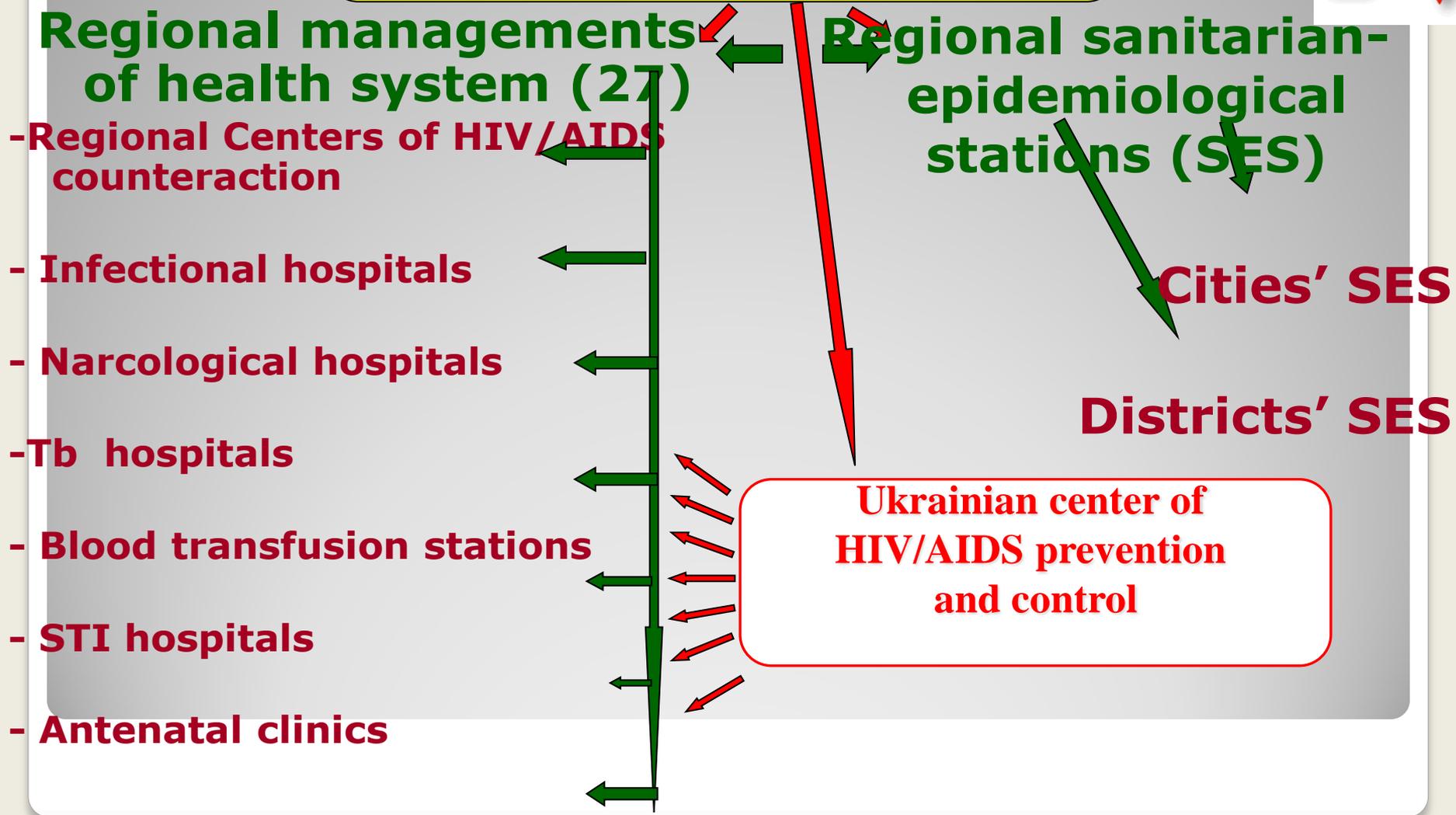
- **STI hospitals**

- **Antenatal clinics**

**Cities' SES**

**Districts' SES**

**Ukrainian center of HIV/AIDS prevention and control**



**B. Reduce the burden of Tb in people living with HIV and initiate early ART (the Three I's for HIV/TB)**

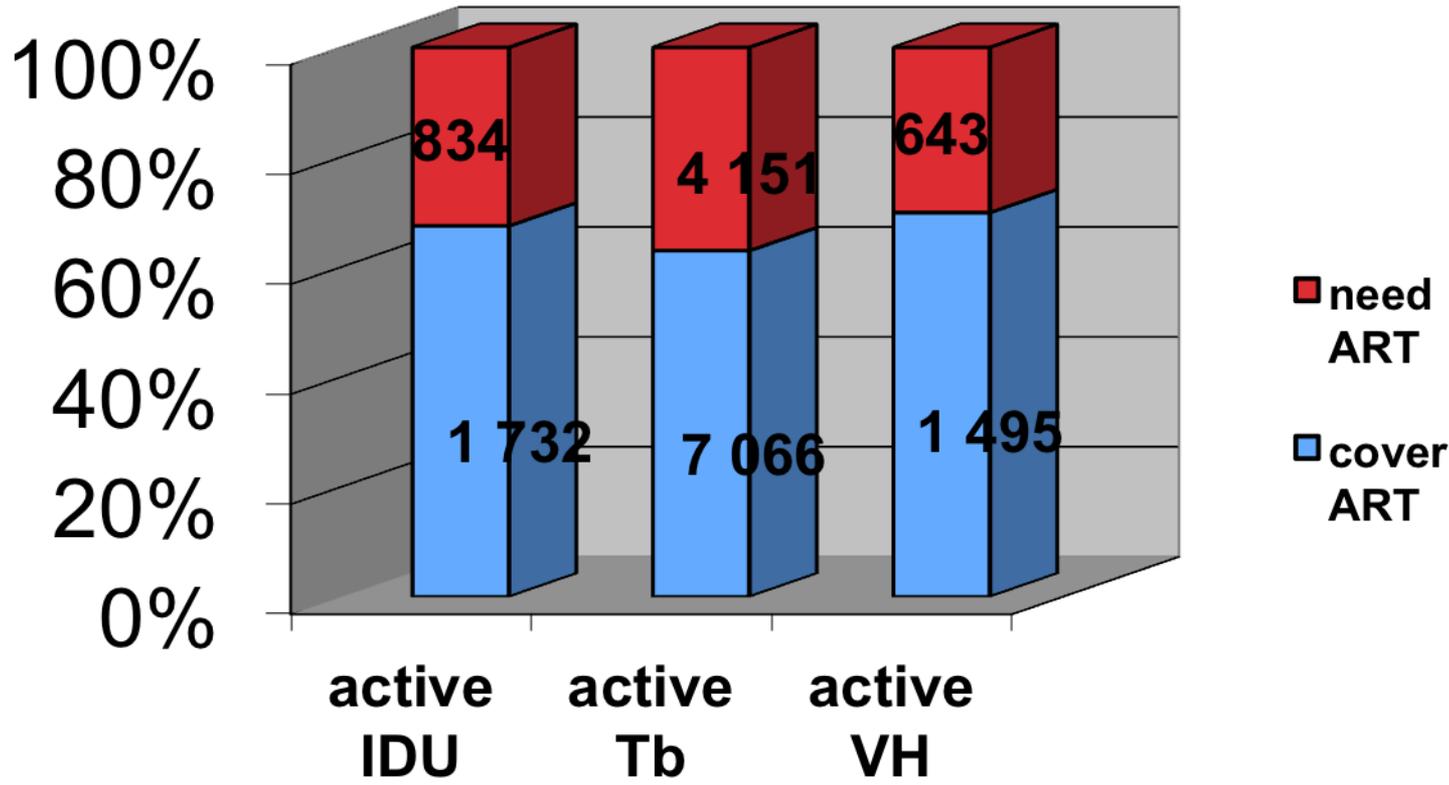
**ART covers 33 858 HIV – infected patients (as of 01.07.2012)**

**State's budget – 23 941 (72,9%);**

**Global fund 8 919 (27,1%) patients with HIV/Tb, HIV/Tb/IDU).**

**998 inprizoned HIV patients (Global fund).**

ART coverage distribution by patient's status (active IDU, active TB, active VH) (as of 01/01/2011).

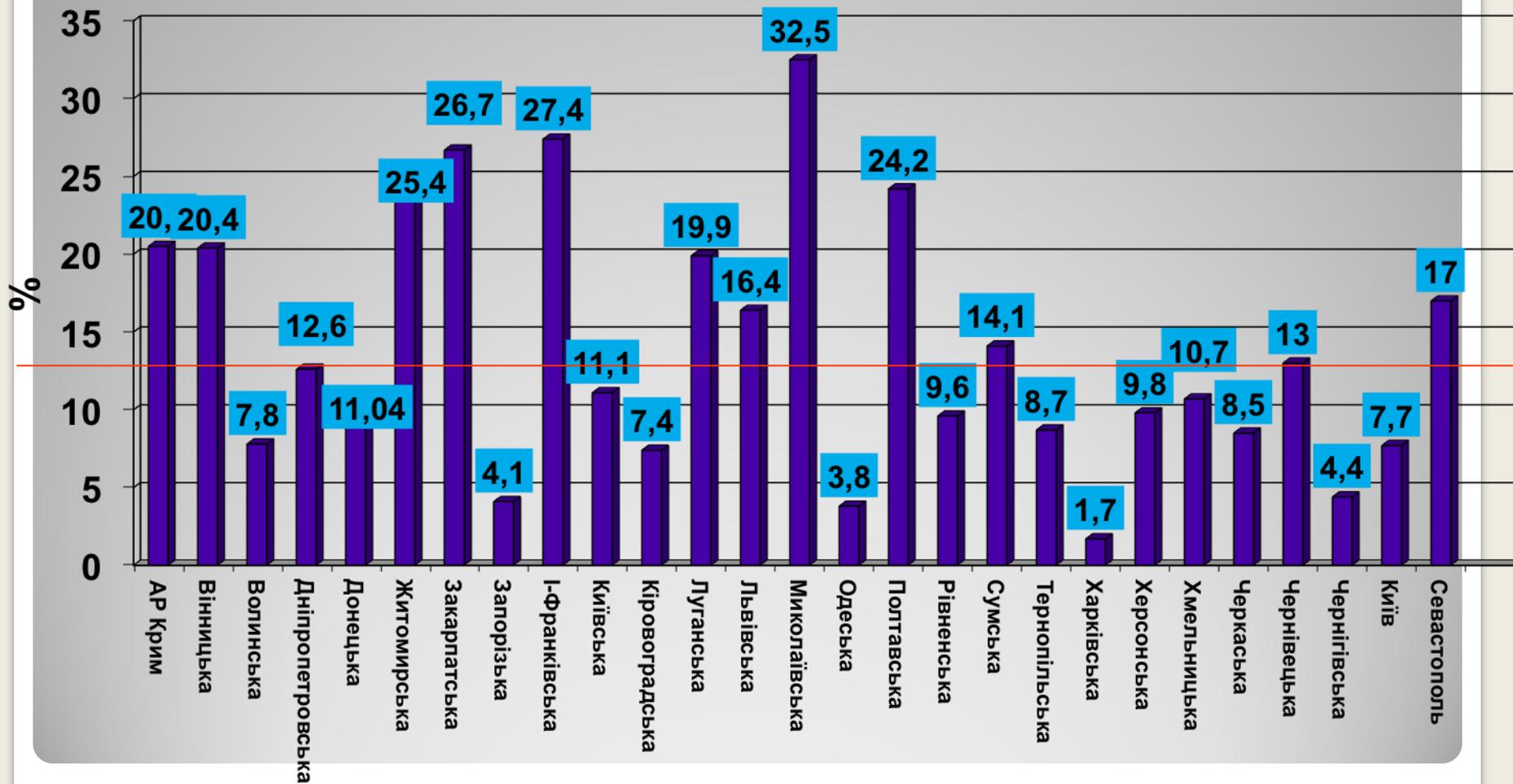


*70% HIV infected patients with the active viral hepatitis (VH) are cover ART;  
63% HIV infected patients with the active TB are cover ART;  
67% HIV infected IDU*

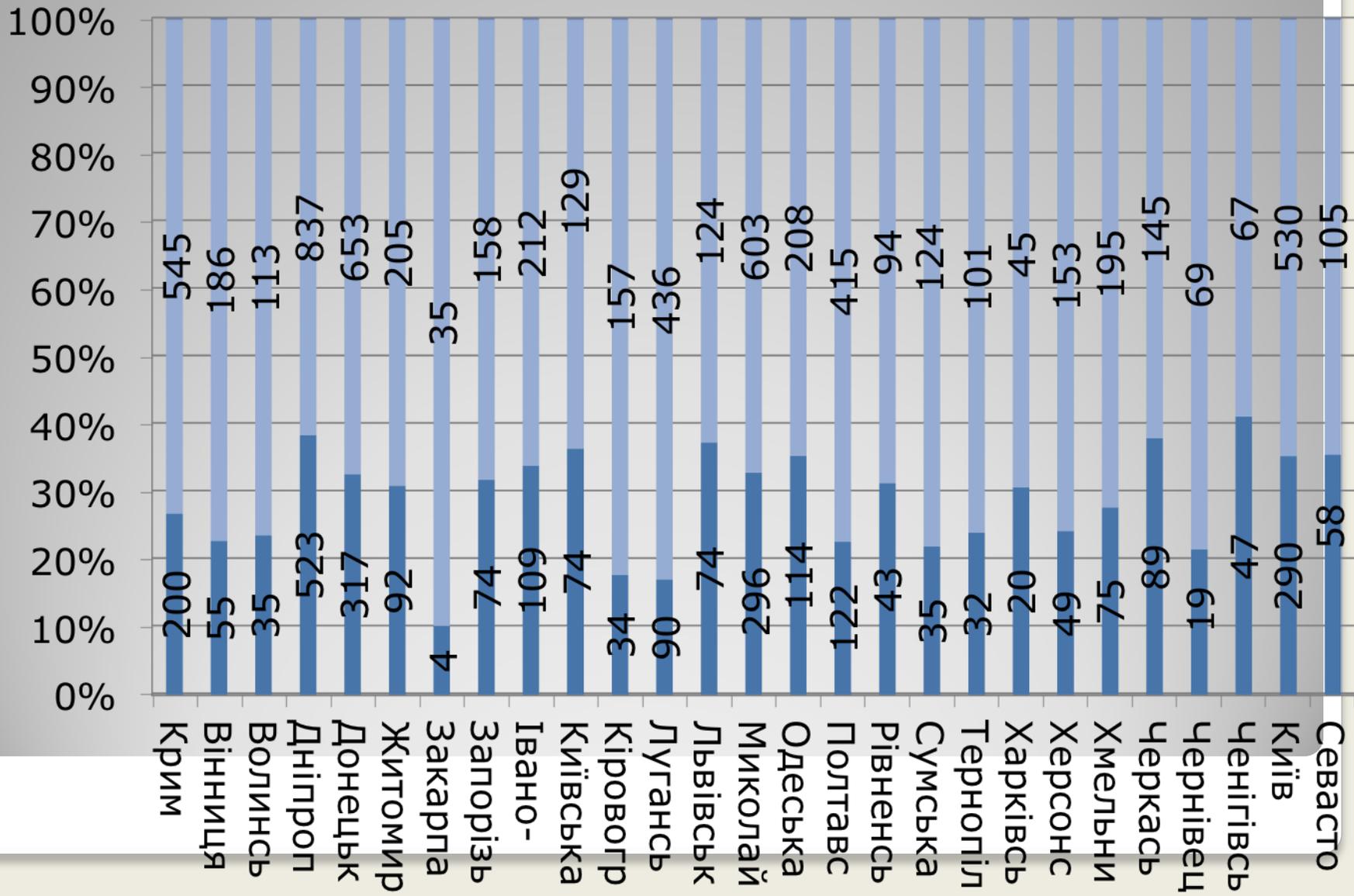
## **C. reduce the burden of HIV in patients with presumptive and diagnosed Tb**

- OST in Ukraine (as of 01.03.2012)
- 136 hospitals in Ukraine provided OST services
- OST cover 6678 IDU (11,7% IDU who are under medical observation)
- 2981 (44,6%) HIV-infected IDU;
- 931 (31,2%) receive ART, 289 (9,7%)-prepare to ART
- 3837 (57%) IDU have viral hepatitis B, C
- 1186 (17,8%) IDU have TB
-

# Coverage by OST among IDUs being under medical observation (11,7%)



# % of HIV+ IDU among all IDUs on OST in Ukraine (2012)



## **Prevention and treatment of OI and TB among HIV patients in Ukraine in 2011 year:**

Received course of prevention treatment **5 029 HIV-infected patients;**

TB treatment DOTS **2 248 HIV-infected patients;**

In 2010 **1612 HIV-infected** patients who received ART started receiving DOTS;  
3544 continue DOTS therapy.