

DEVELOPMENT OF COLLABORATION BETWEEN THE TB AND HIV CONTROL SERVICES IN RUSSIA

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3 stages of transmission of HIV-infection in Russia

Number of cases
HIV-infection | TB + HIV-infection

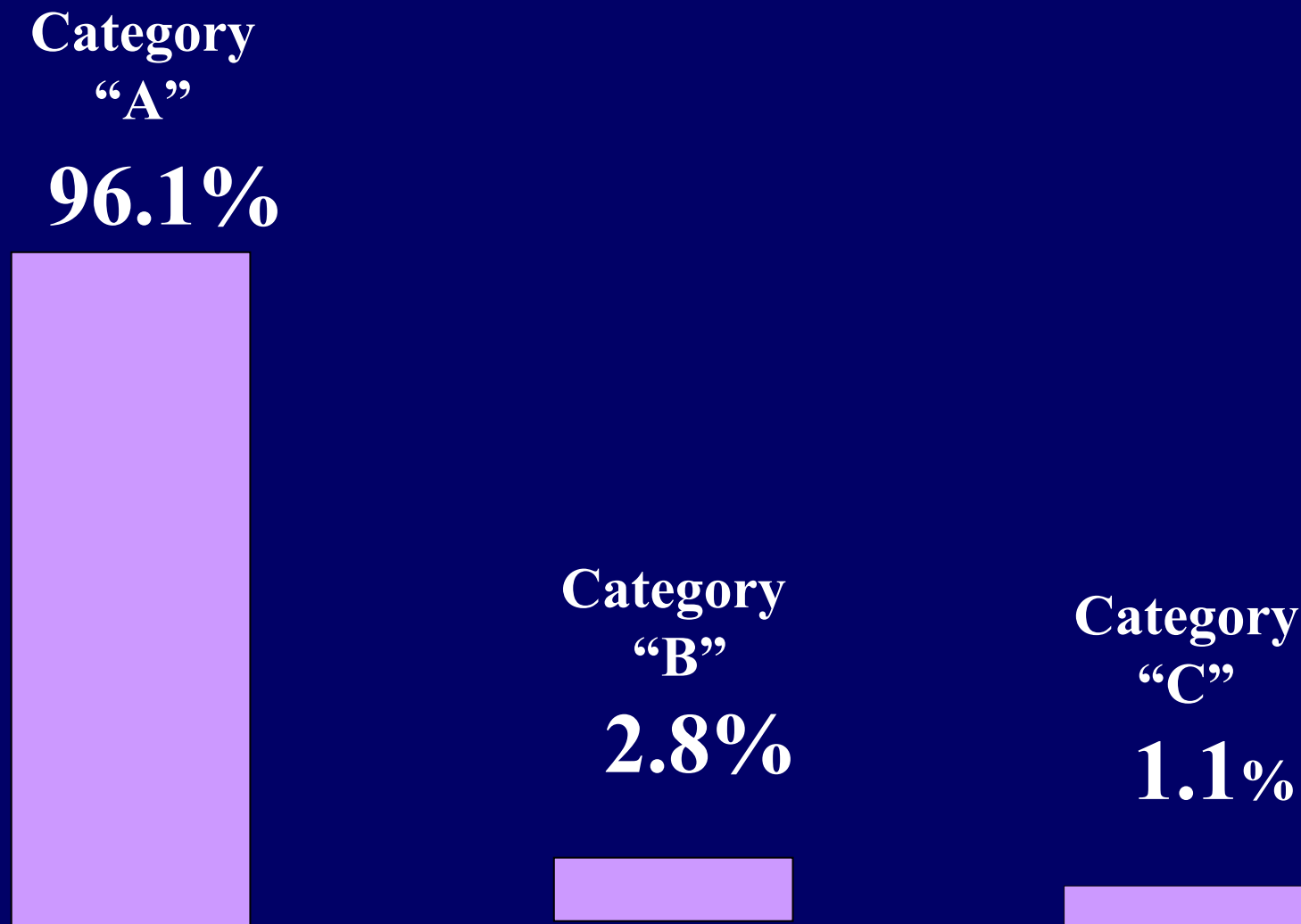
1 - 1987-1995	1091		29
			6967 *
2 - 1996-2001	161177		2354 **
			8665 *
3 - since 2002	72049		4506 **

* - based on TB facilities data ;

** - based on AIDS centers data

Distribution of all HIV cases in Russia in 2004 by categories

WHO and CDC classification



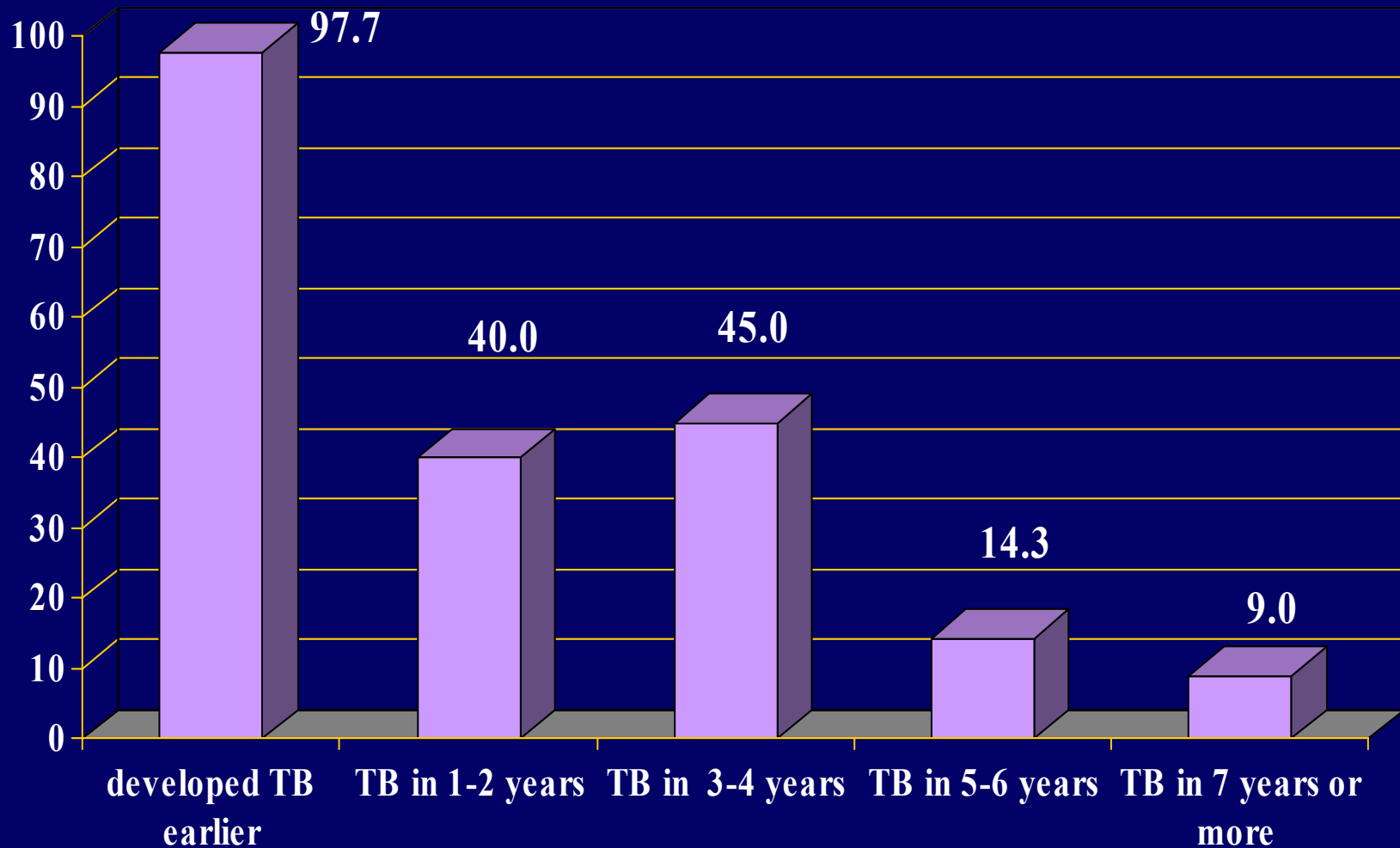
Distribution of TB among individuals with HIV-infection and AIDS in Russia (according to the data from 25 entities of the RF)

	Of the number of persons with	
	HIV infection	AIDS
Confirmed TB	1.9%	52.5%
Died of TB	0.2%	66.2%

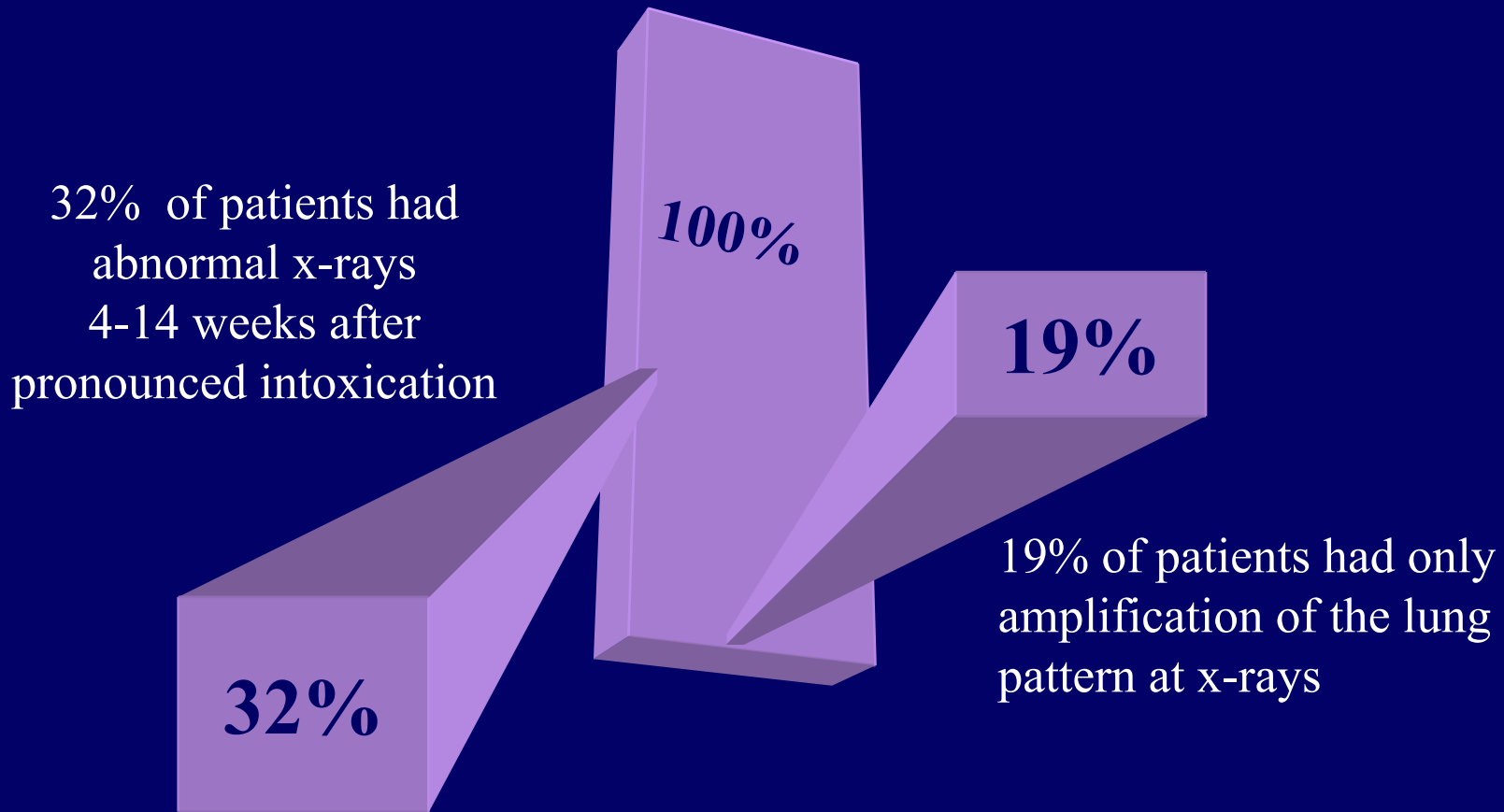
Estimation of TB distribution among HIV-infected individuals in Russia and in the US



FREQUENCY OF BACILLARY EXCRETION DEPENDING ON THE DURATION OF HIV INFECTION COURSE (IN %)

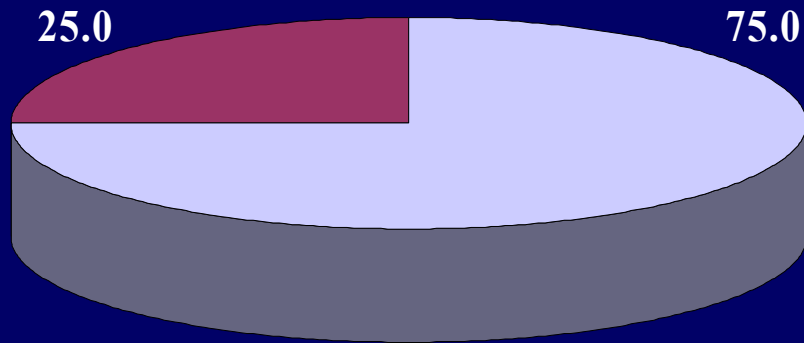


X-rays of patients with disseminated pulmonary TB in late HIV-infection



Frequency of recording of positive tuberculin skin tests in TB patients with HIV- infection (in %)

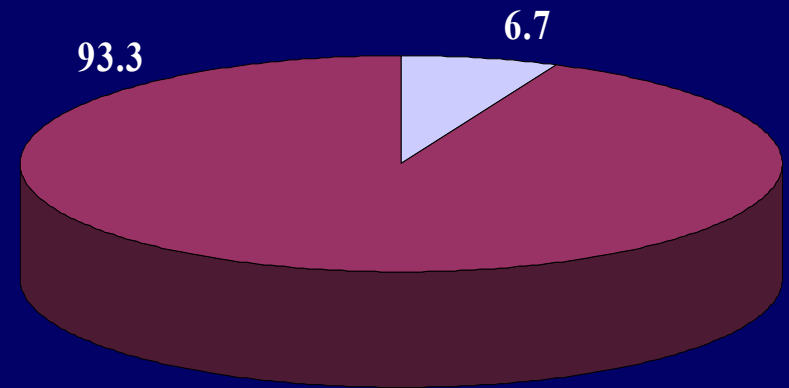
early stages



■ positive test

■ negative test

late stages



■ positive test

■ negative test

Performed activities to limit TB transmission among HIV-infected individuals :

- 1. The TWG “Tuberculosis in patients with HIV-infection” was established in 2002**
- 2. The TWG has developed, printed and sent out the recommendations on TB/HIV-infection to all the entities of the Russian Federation**
- 3. An executive order on introduction of the single recording system of cases of associated pathology was issued by the Ministry of Health**
- 4. Seminars for coordinators in accordance with developed recommendations have been conducted by the Federal TB/HIV center, the Federal AIDS center and the WHO**
- 5. The conference meeting on final discussion and adoption of the coordination mechanism and**

What has already been done to launch the coordination mechanism:

- 1. An executive order of the MHSD (RF) “On the Establishment of the Coordination Council of the MHSD of the RF on prevention and treatment of TB associated with HIV- infection” was approved by the Minister of Health**
- 2. The first meeting of the MHSD (RF) Coordination Council has been held**
- 3. A joint two-year TB/HIV-Infection Center and AIDS Center working plan for organization of TB care for HIV-infected individuals has been developed; members of the working groups to implement the working plan have been agreed upon**
- 4. The working plan and the members of the working groups were approved at the meeting of the Coordination Council**

Coordination of activities at the federal level

Development of documents -

- Working groups (3)** – normative legal documents,
- reporting-recording documentation,
 - treatment- diagnostic activities

Documents approval -

Coordination Council

Use of organizational –methodological and coordination functions -

TB care Centers for HIV-infected individuals of the MHSD (RF)

Coordination of activities at the regional level

Adapting of the federal documents to the local circumstances -

Working group

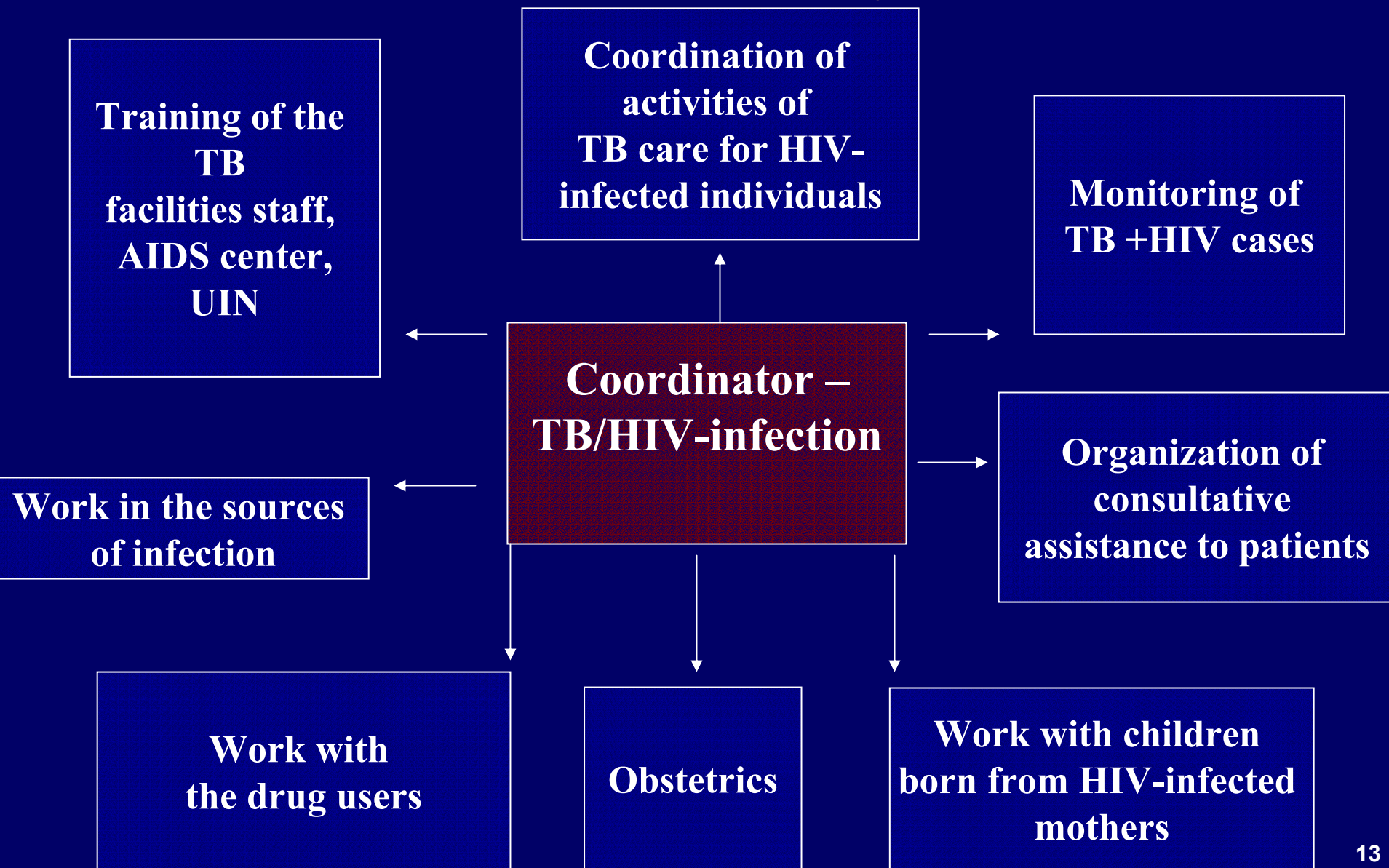
Agreement of the documents -

Coordination Council

Use of organizational –methodological and coordination functions -

Coordinator on TB associated with HIV-infection in the area (one of the council members, elected by the Council)

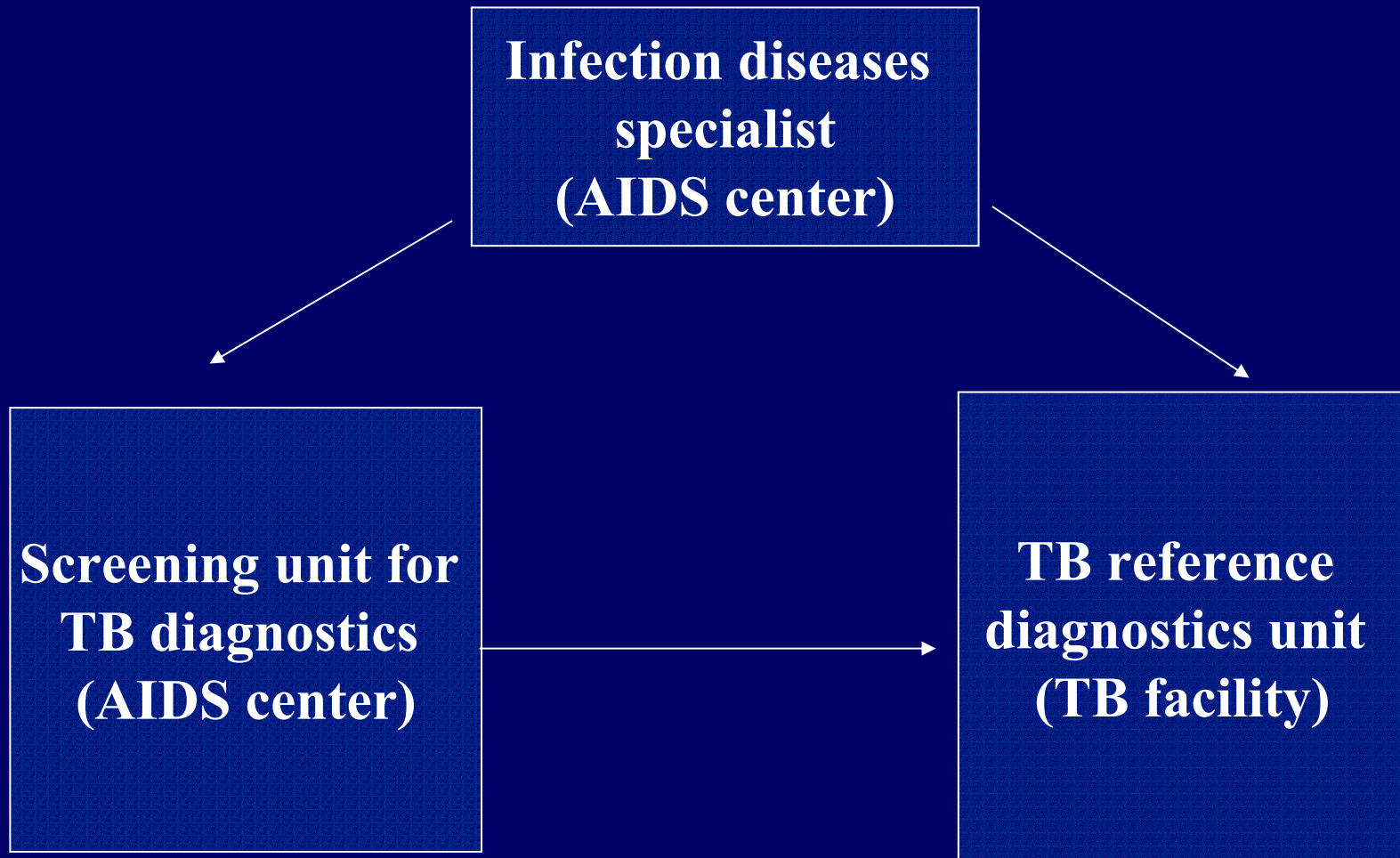
Functions of TB/HIV-infection coordinator in an entity of the RF



Basic directions of the program of TB care for HIV-infected individuals

- 1. Establishing the system of training-informational activities on the problem of TB in HIV-infected individuals.**
- 2. Organization of TB detection considering the stages of HIV-infection and separation of epidemically dangerous flows of patients.**
- 3. Following up of HIV-infected patients performed by a TB specialist.**

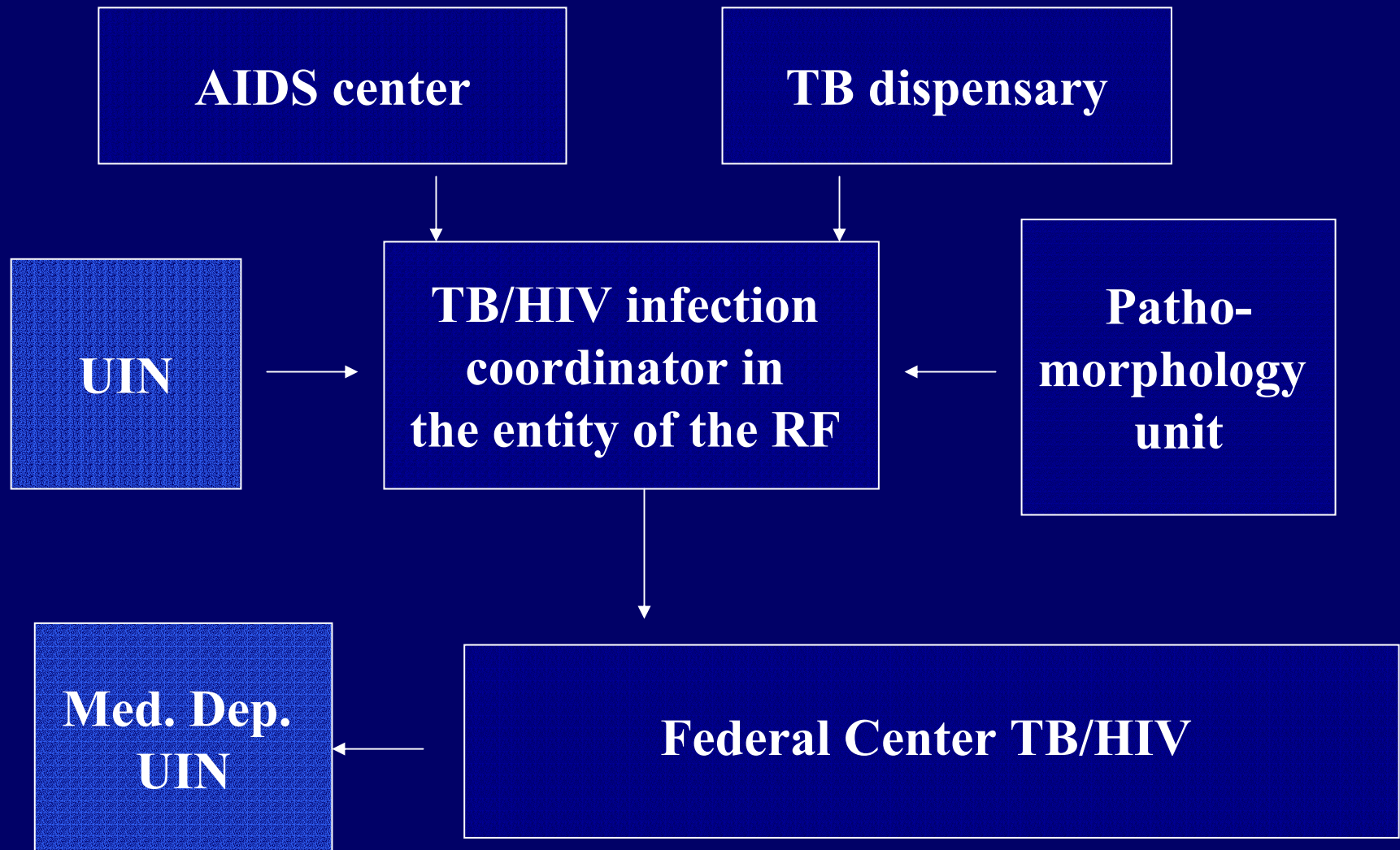
DIRECTION OF PATIENTS FLOWS FOR SCREENING AND REFERENCE DIAGNOSTICS



Basic directions of the program

- 4. Organization of TB treatment considering the stages of HIV-infection and anti-epidemic requirements.**
- 5. Ensuring preventive TB treatment considering the stages of HIV-infection.**
- 6. Establishing the system of social adaptation of patients.**
- 7. Establishing the system of monitoring of TB cases among HIV-infected individuals.**

Chart of the personal record cards referral



Incidence rate of tuberculosis associated with HIV-infection in the Russian Federation

(based on the personal record cards)

1.85 per 100 000 of population

1. Kaliningrad region - 12.3
2. Sverdlovsk region - 7.7
3. Republic of Buryatiya - 6.2
4. Tyumen region - 5.7
5. Orenburg region - 5.0

In 16 entities of the RF there are less than 100 cases of HIV-infection.

For effective implementation of the TB care program for HIV-infected individuals in Russia it is essential:

1. To have a detailed fine tuning of it at 2-3 pilot sites
2. To perform applied science studies on developing the standards for TB preventive treatment considering the stage of HIV-infection