

Addressing Drug-Resistant TB in People Living with HIV: where are we?

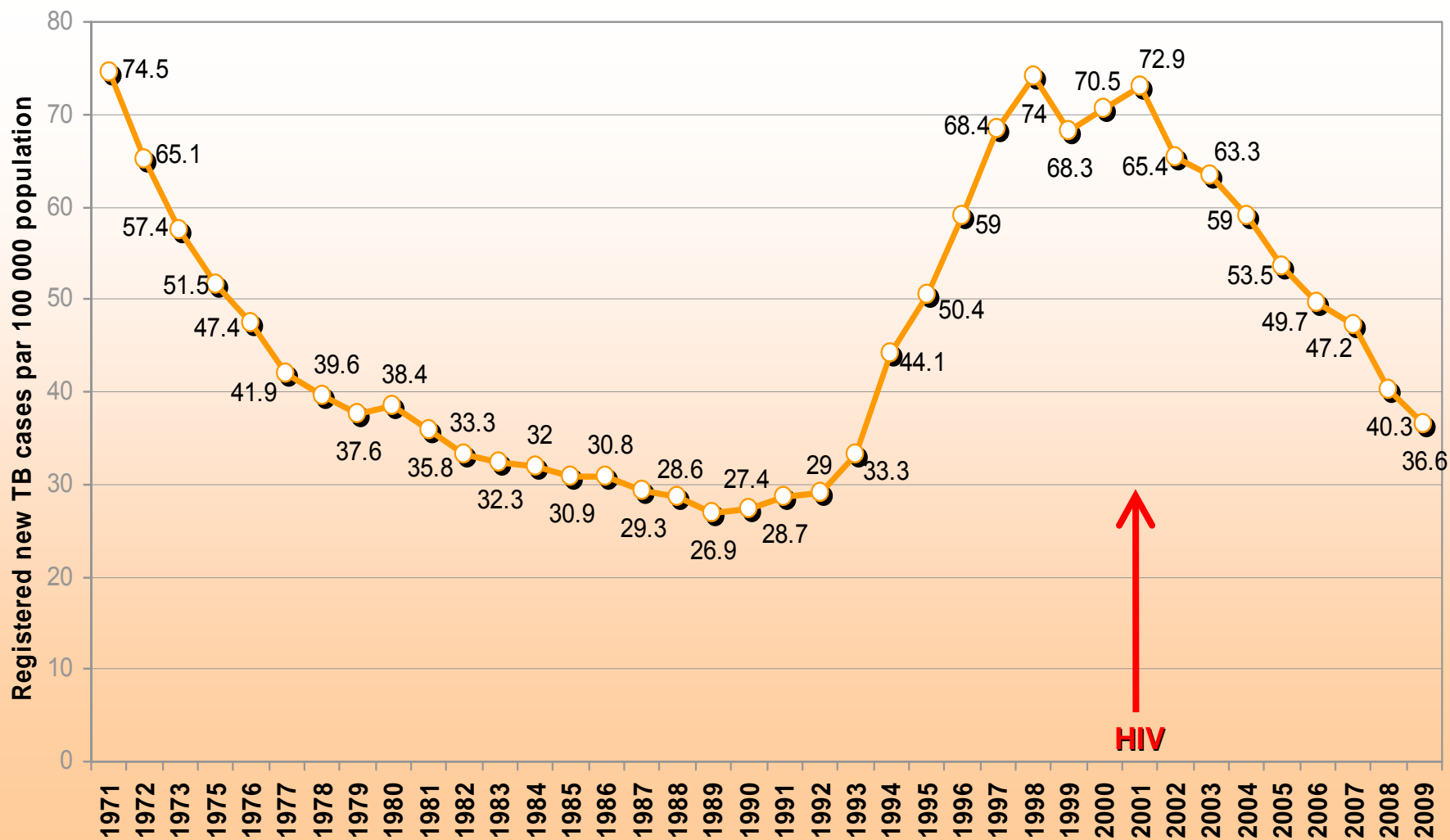
Area
64,589 km²

Population
2 239 000

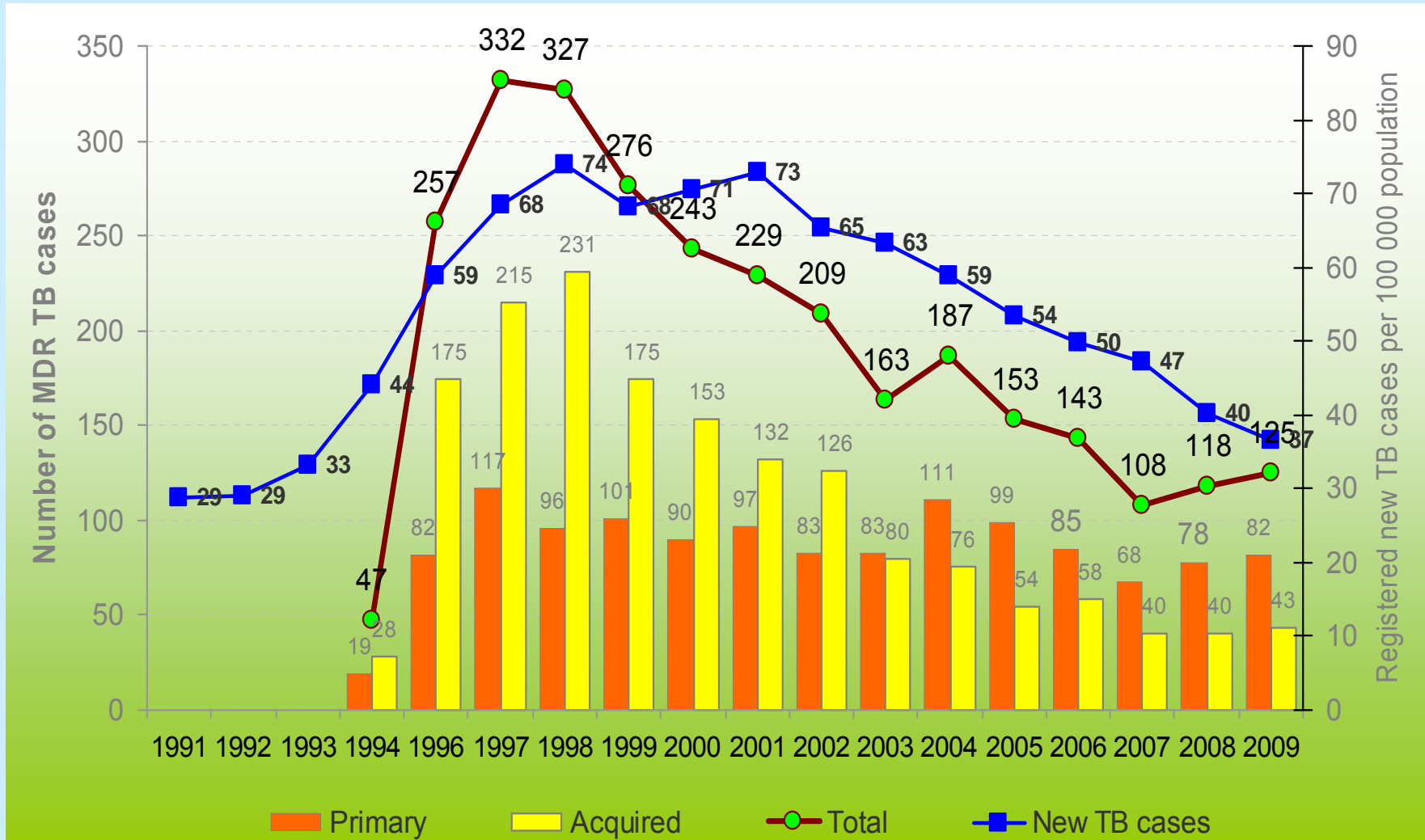


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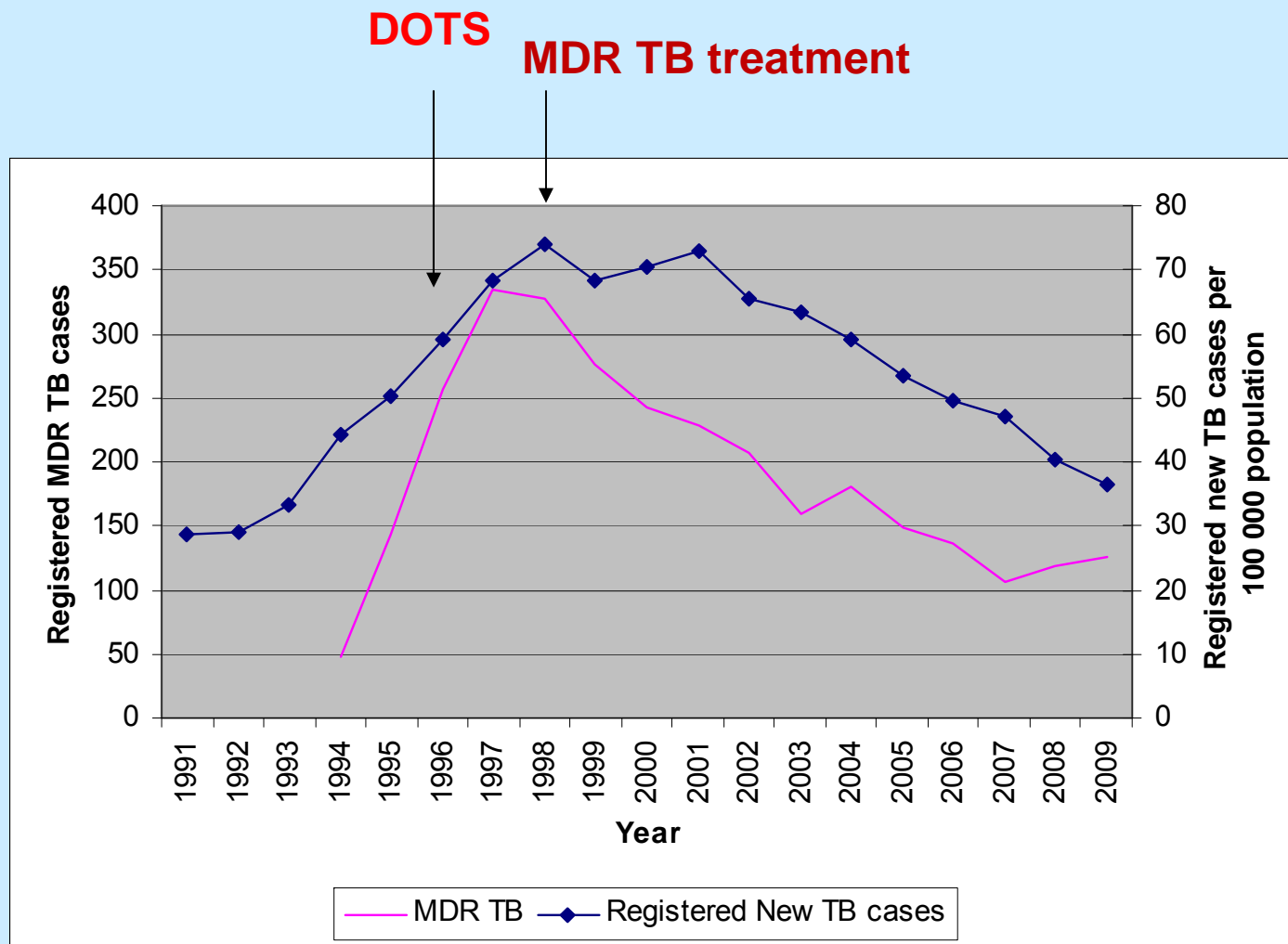
Registered new TB cases per 100 000 population in Latvia, 1971 - 2009



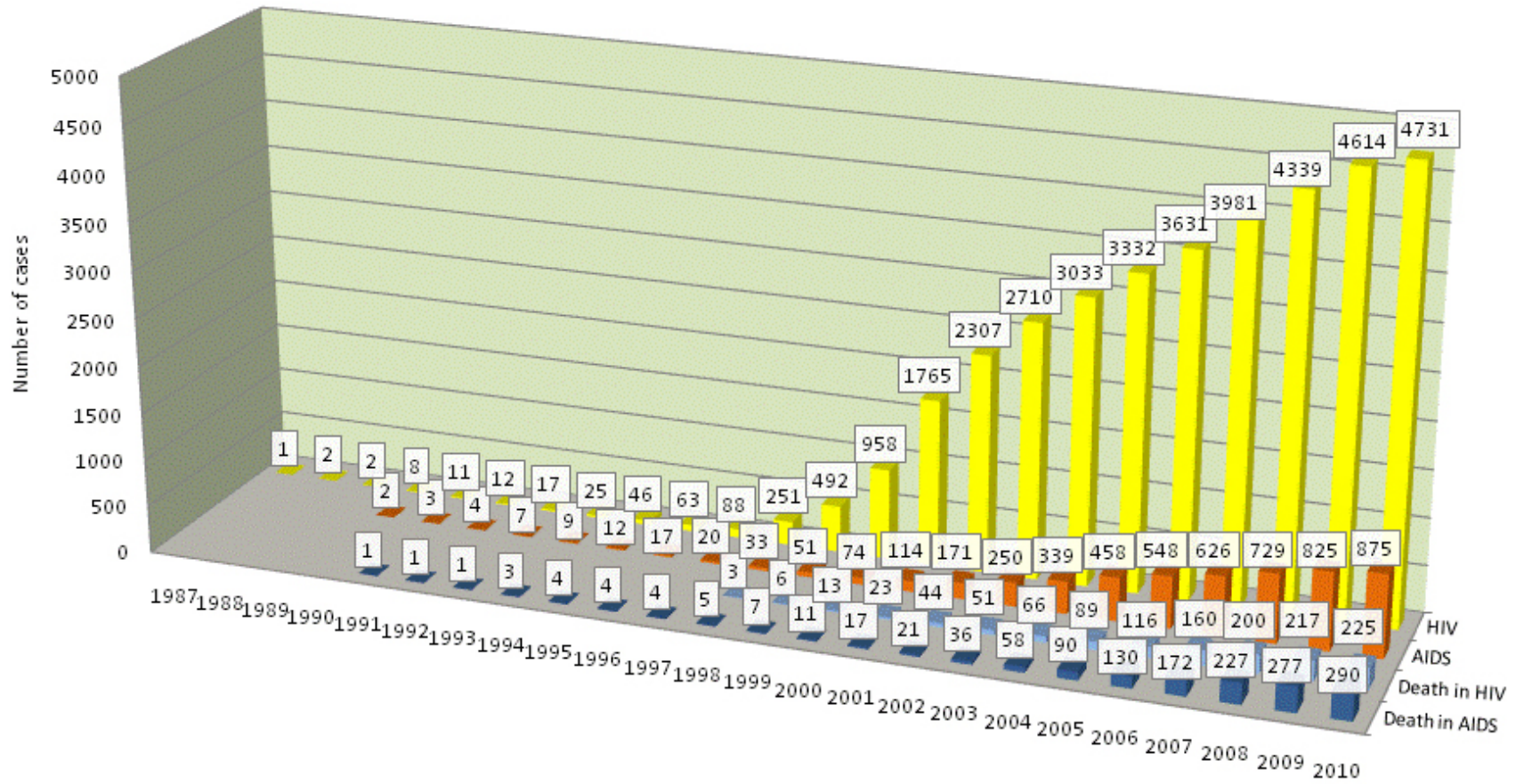
Registered primary and acquired MDR TB cases, 1994 - 2009



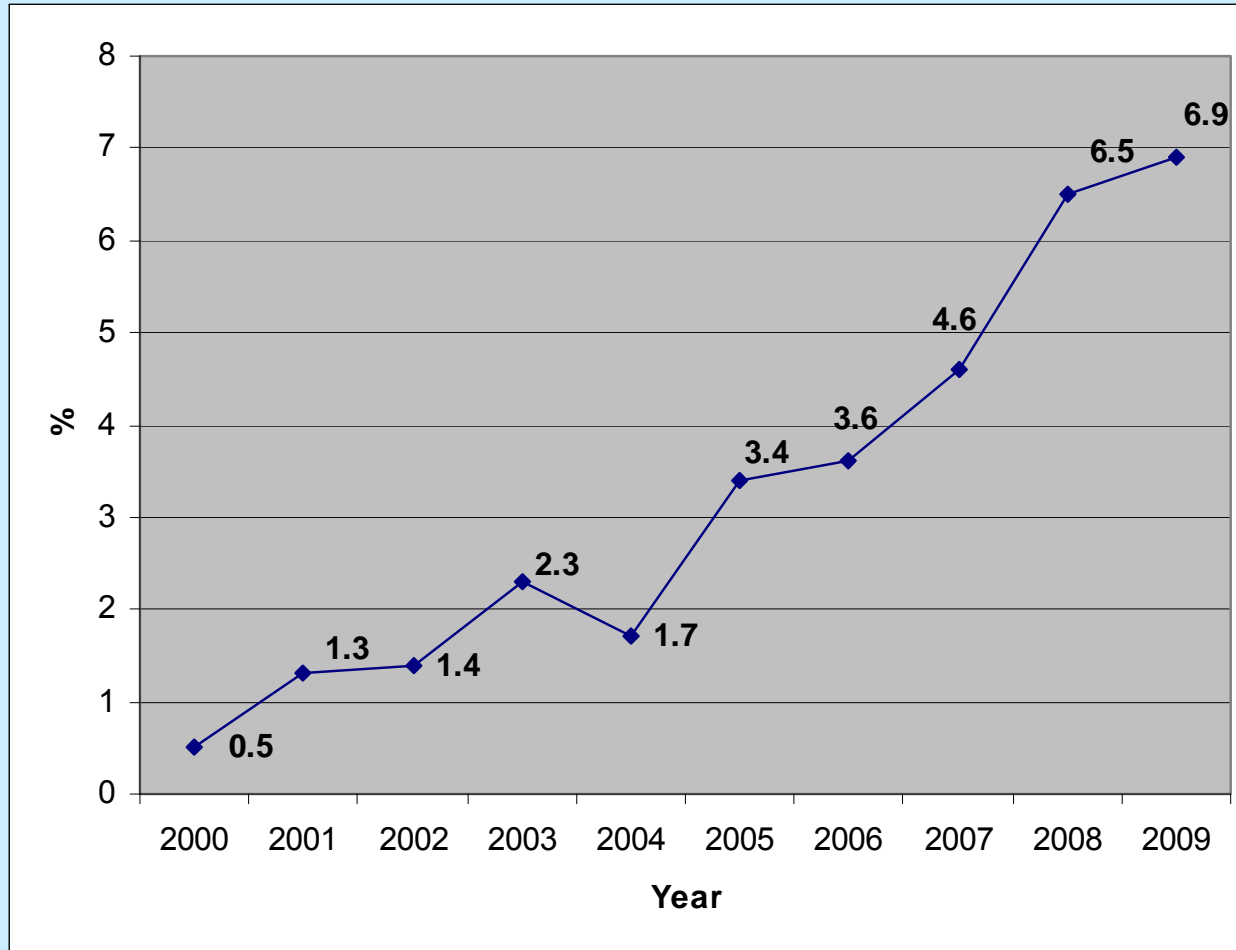
Registered new TB cases and MDR TB cases, 1991 - 2009



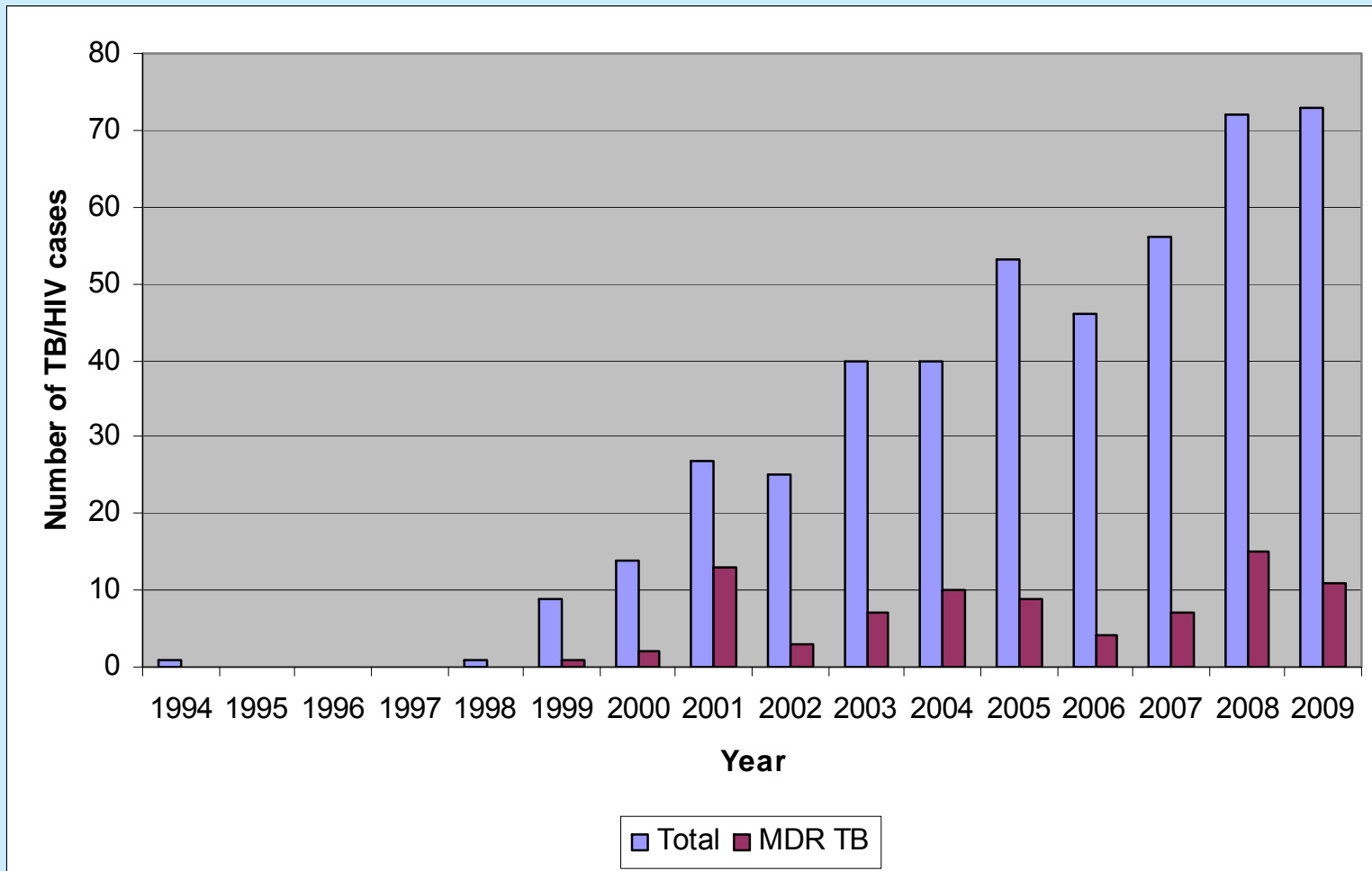
Cumulative Number of HIV/AIDS Cases June 1, 2010- Latvia /Infectology Center of Latvia/



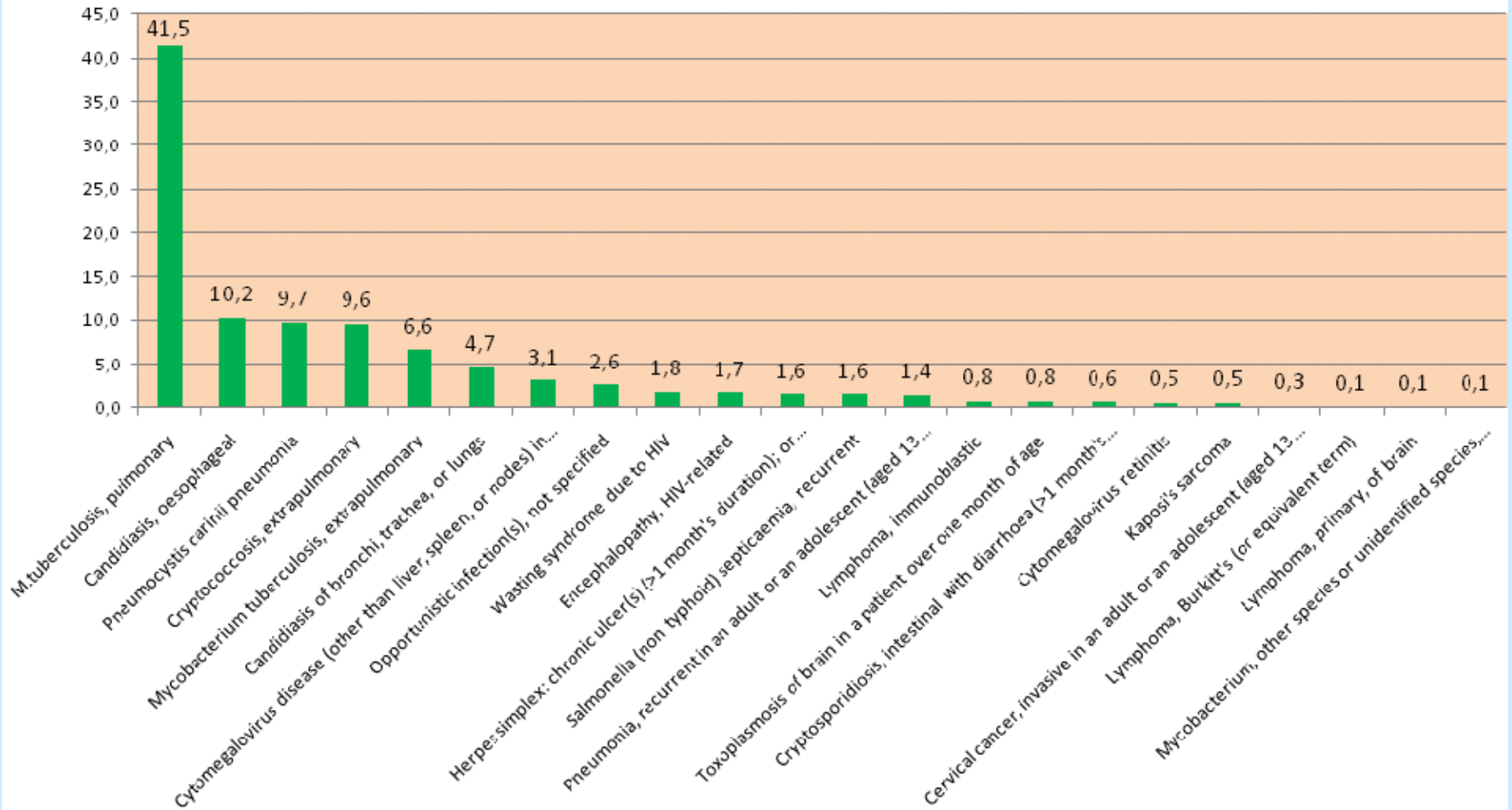
HIV prevalence among new TB cases, 2000 - 2009



Registered TB/HIV cases, 1994 - 2009

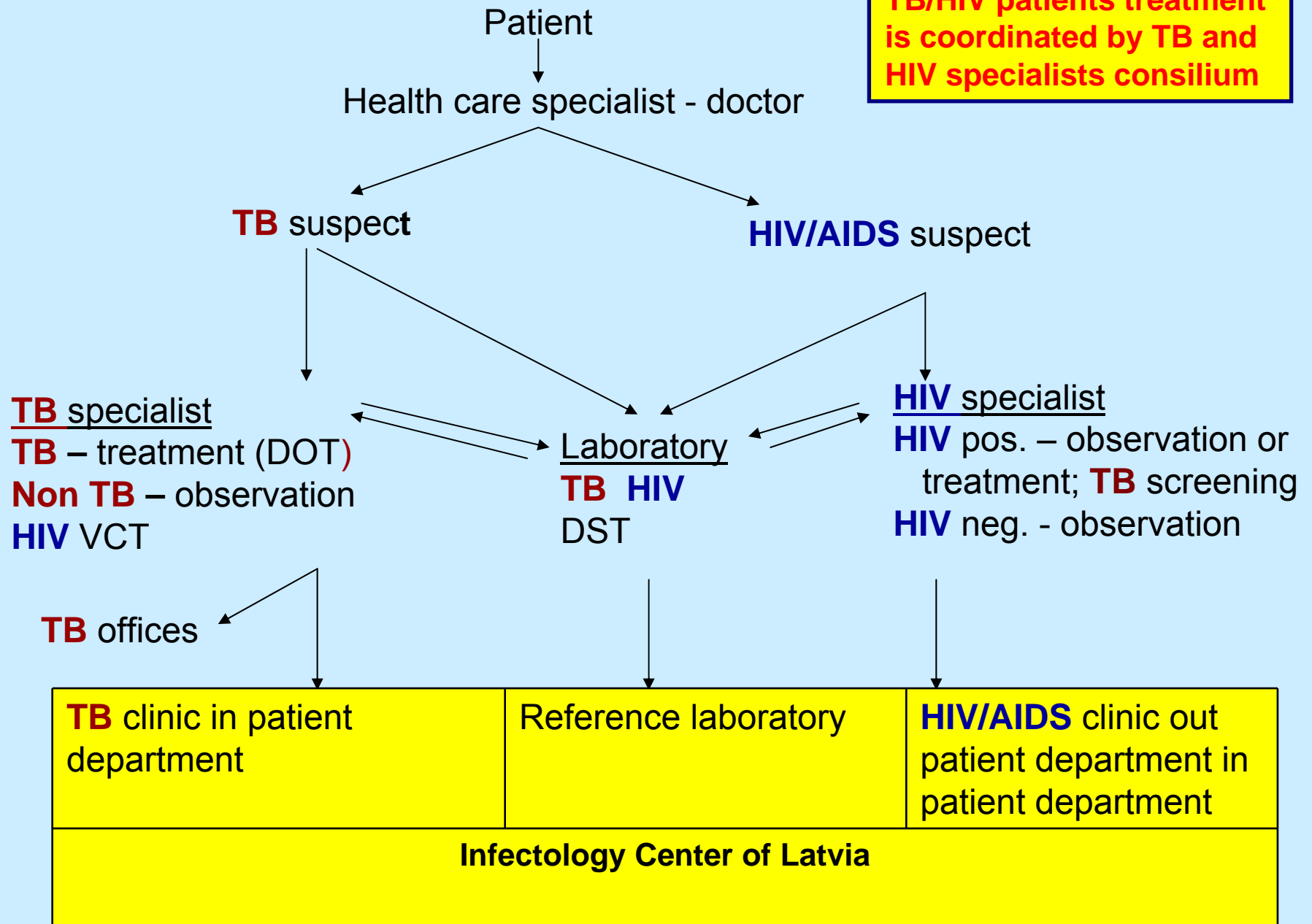


Proportion of AIDS Indicator Diseases (%)
1987-2009, Latvia
 /Infectology Center of Latvia/

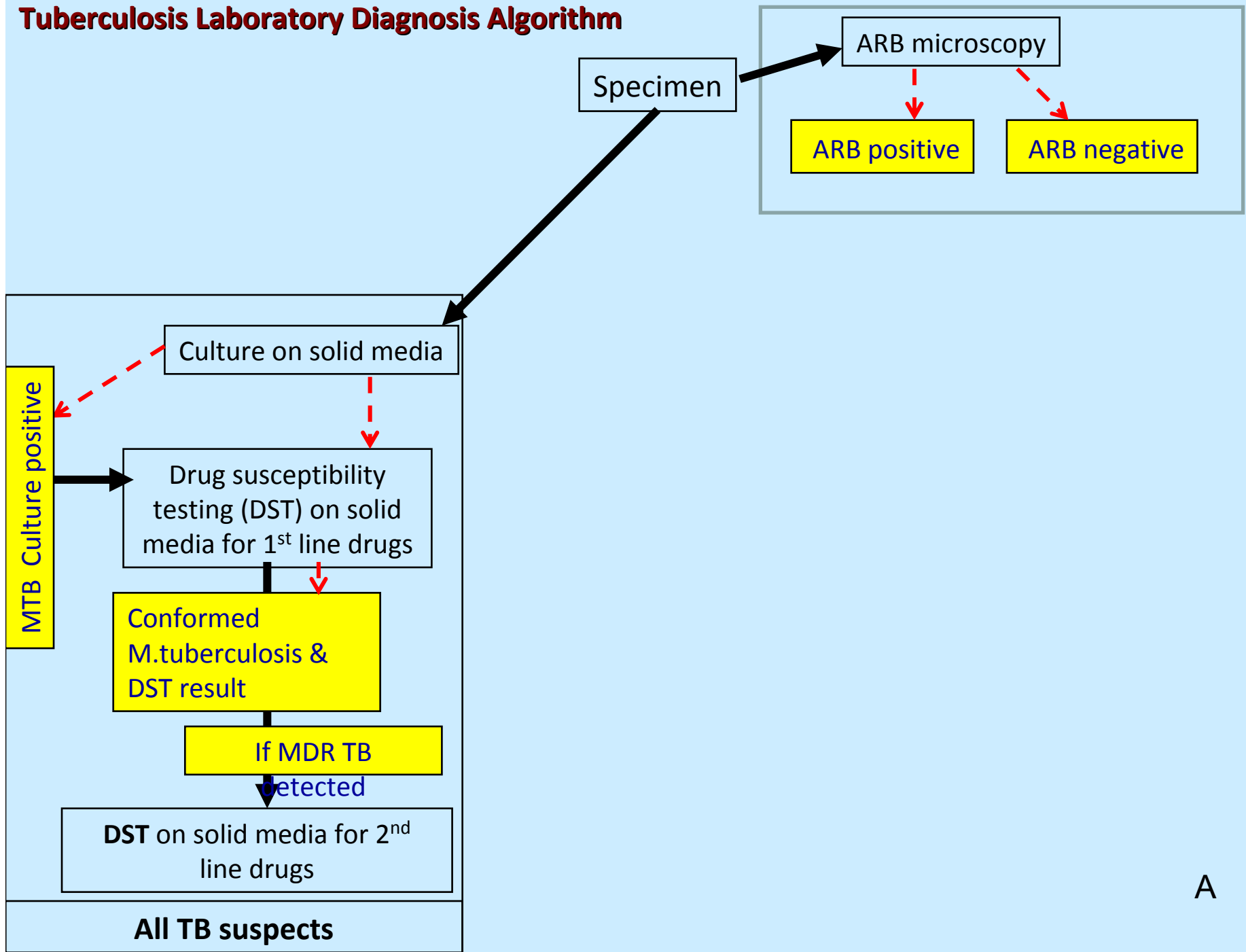


TB/HIV health care algorithm

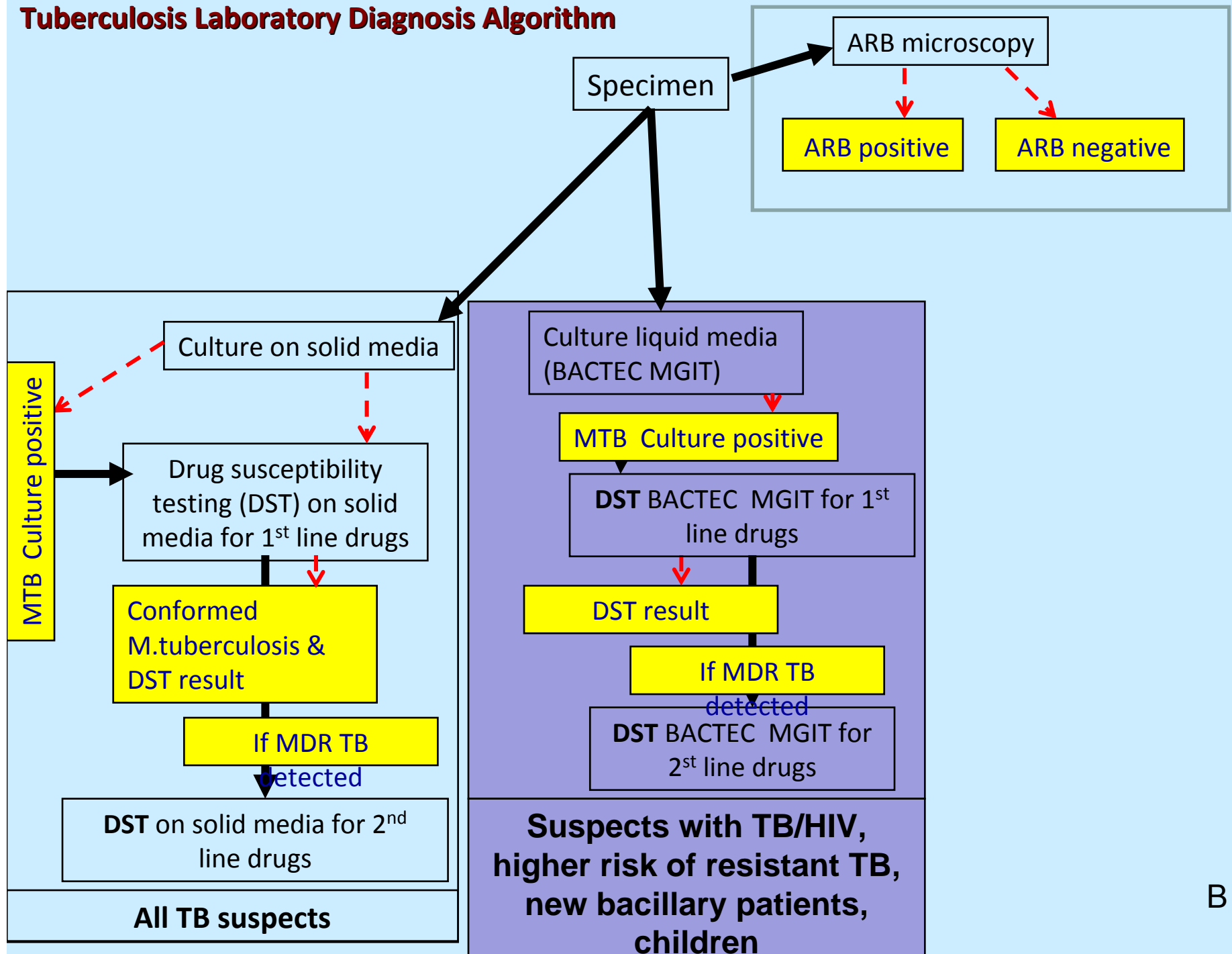
TB/HIV patients treatment is coordinated by TB and HIV specialists consilium



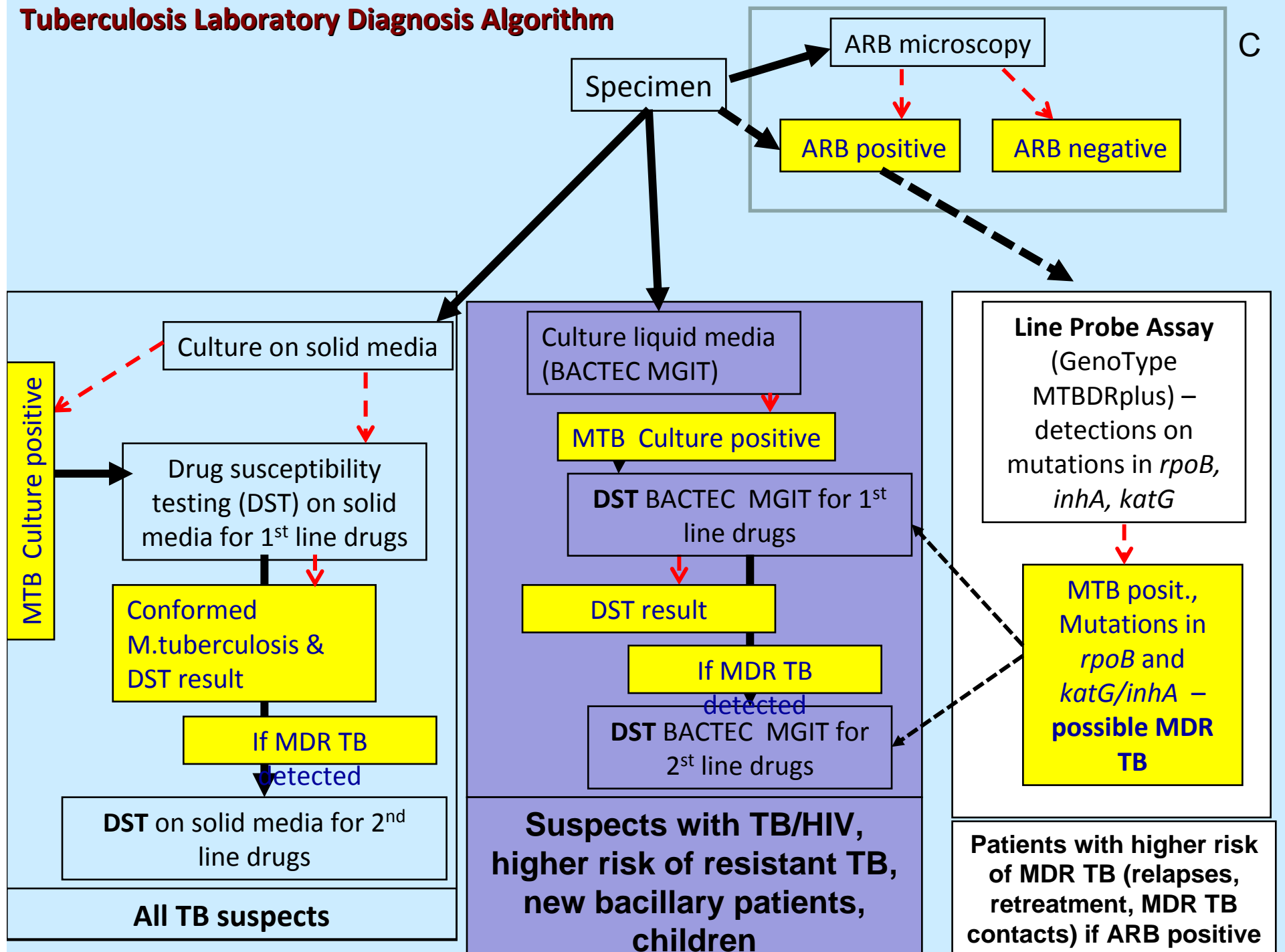
Tuberculosis Laboratory Diagnosis Algorithm

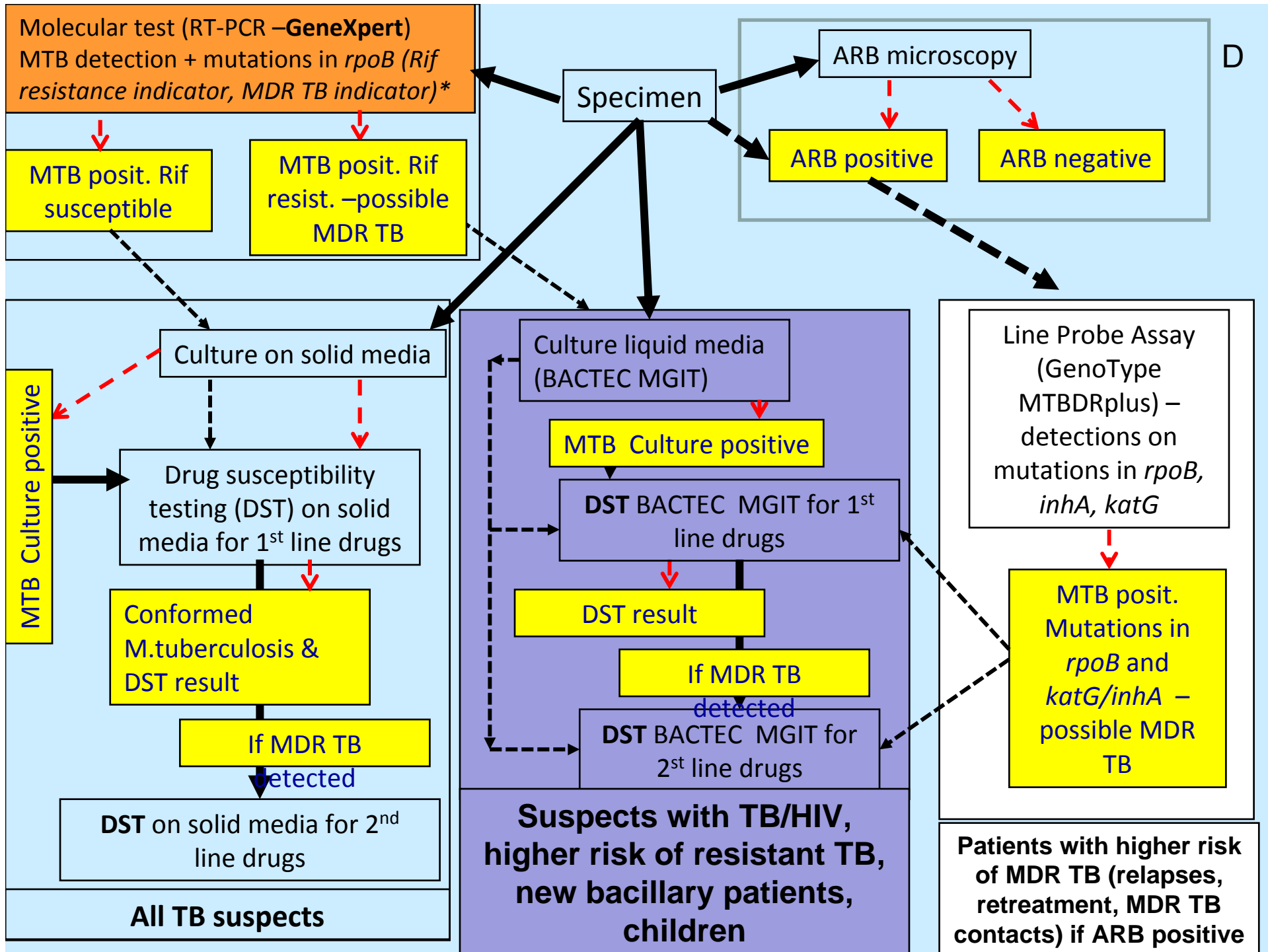


Tuberculosis Laboratory Diagnosis Algorithm

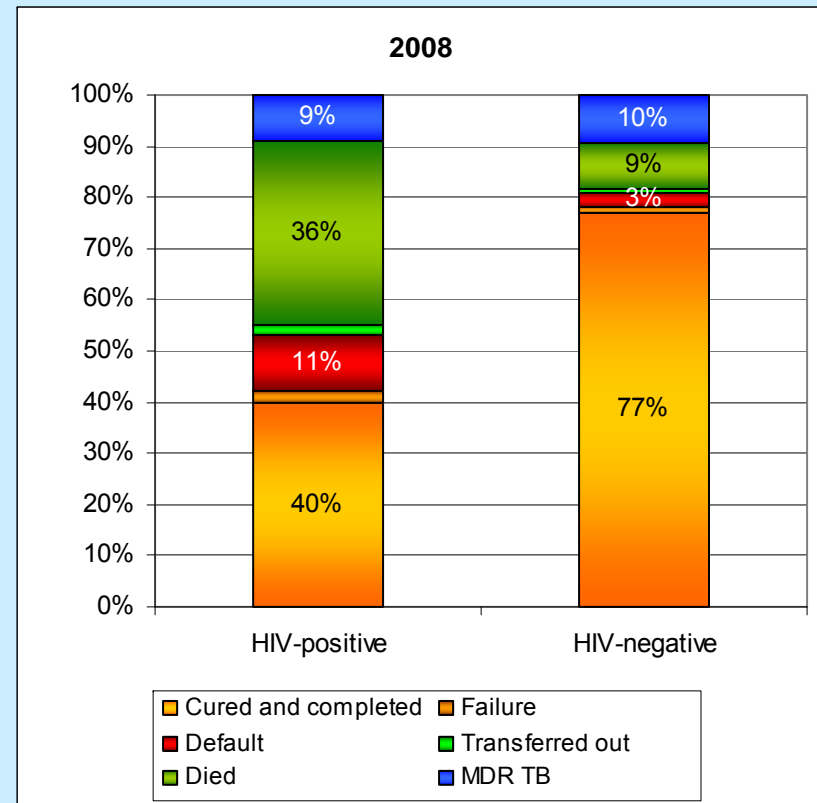
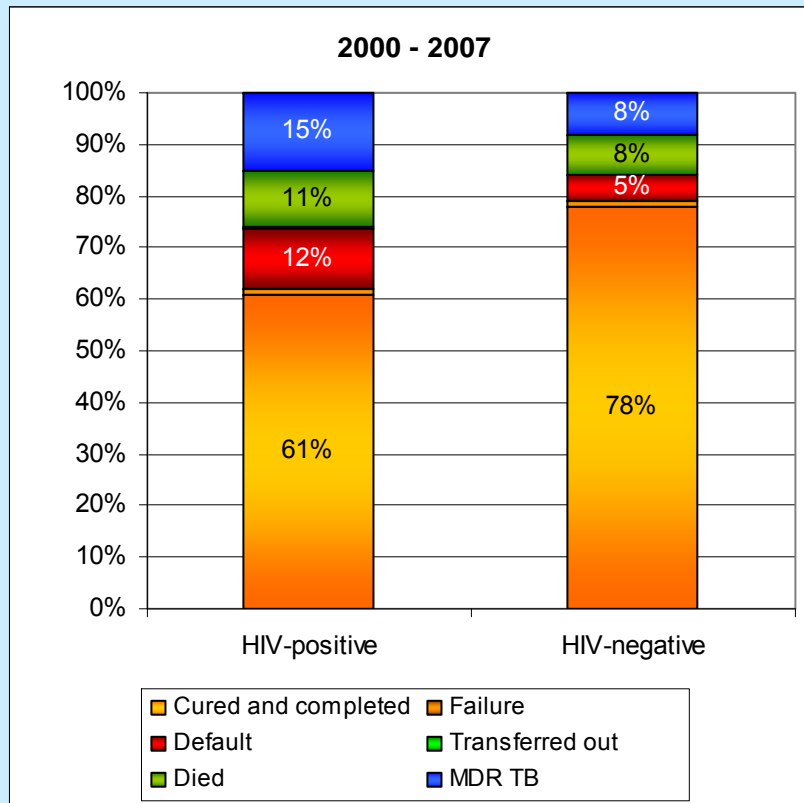


Tuberculosis Laboratory Diagnosis Algorithm

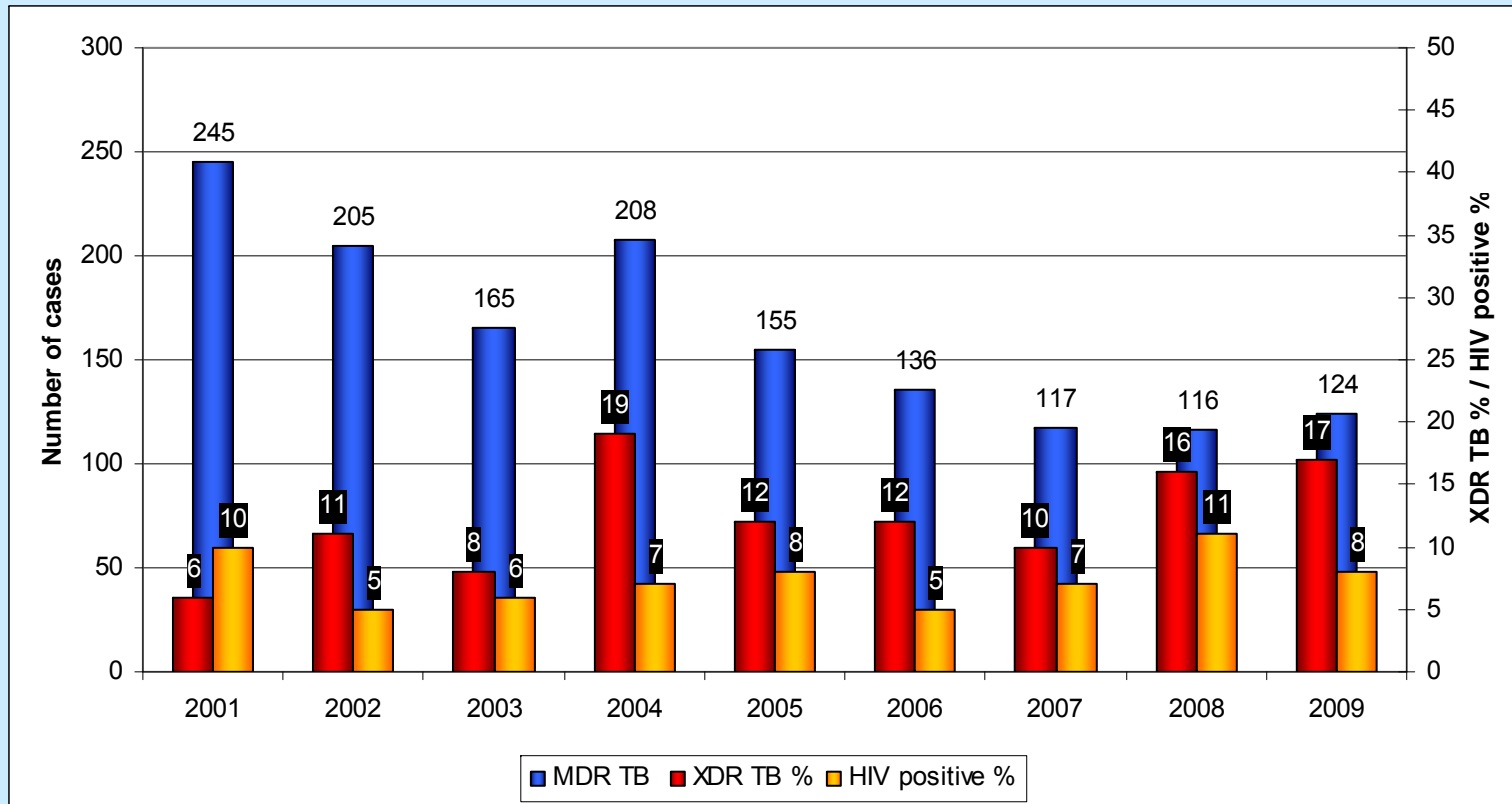




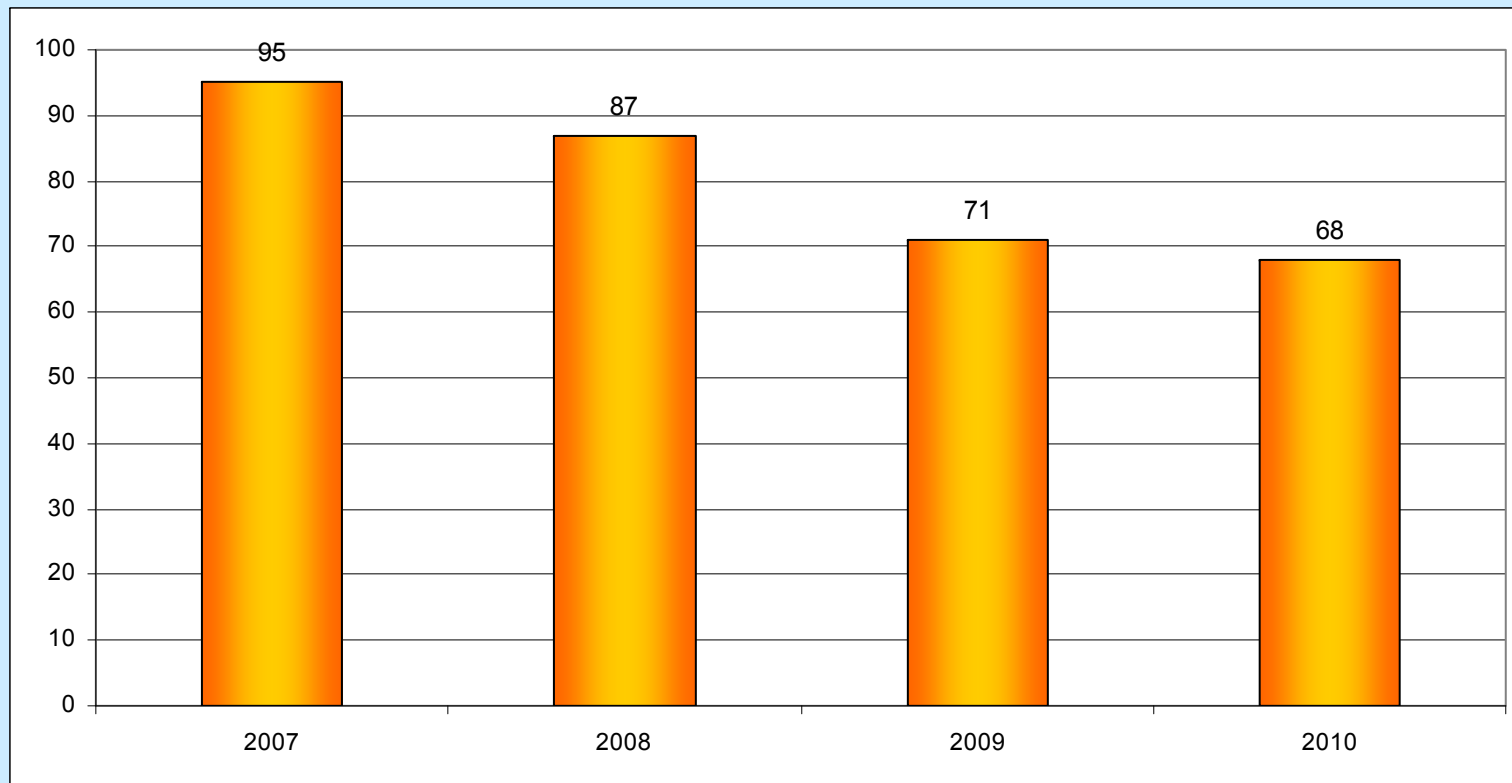
Comparison of treatment outcomes, new TM positive cases



MDR TB treatment cohorts



The number of HAART variants



HLA DRB 1* alleles in patients with tuberculosis

HLA alleles	HIV patients CD4>400 c/mm ³ (n=38)	Control group (n=400)	X ² Mantel- Hanszel	p
DRB110	0	25	2,51	0,11
DRB108	4	32	0,29	0,58
DR3	2	42	1,05	0,30
DR2	5	64	0,21	0,64
DRB104	2	49	1,64	0,19
DRB109	1	27	0,98	0,32
DRB101	8	46	2,02	0,05
DR5	3	53	0,89	0,34
DR6	6	48	0,46	0,49
DRB107	7	14	16,8	0,0003

It has been statistically proved, that tuberculosis was the most commonly diagnosed opportunistic disease (p<0,05).

Facts:

- Access to **TB/HIV** diagnosis and treatment are ensured in Latvia, covered **by state budget**
- Strong collaboration with **NGOs** is established
- Successful collaboration with **Universities**

Conclusions

- Number of TB/HIV co-infection is increasing
- TB/HIV cases are at greater risk of treatment default and death

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- **Challenge** is to find new forms of patient care, including home based treatment and community support

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