

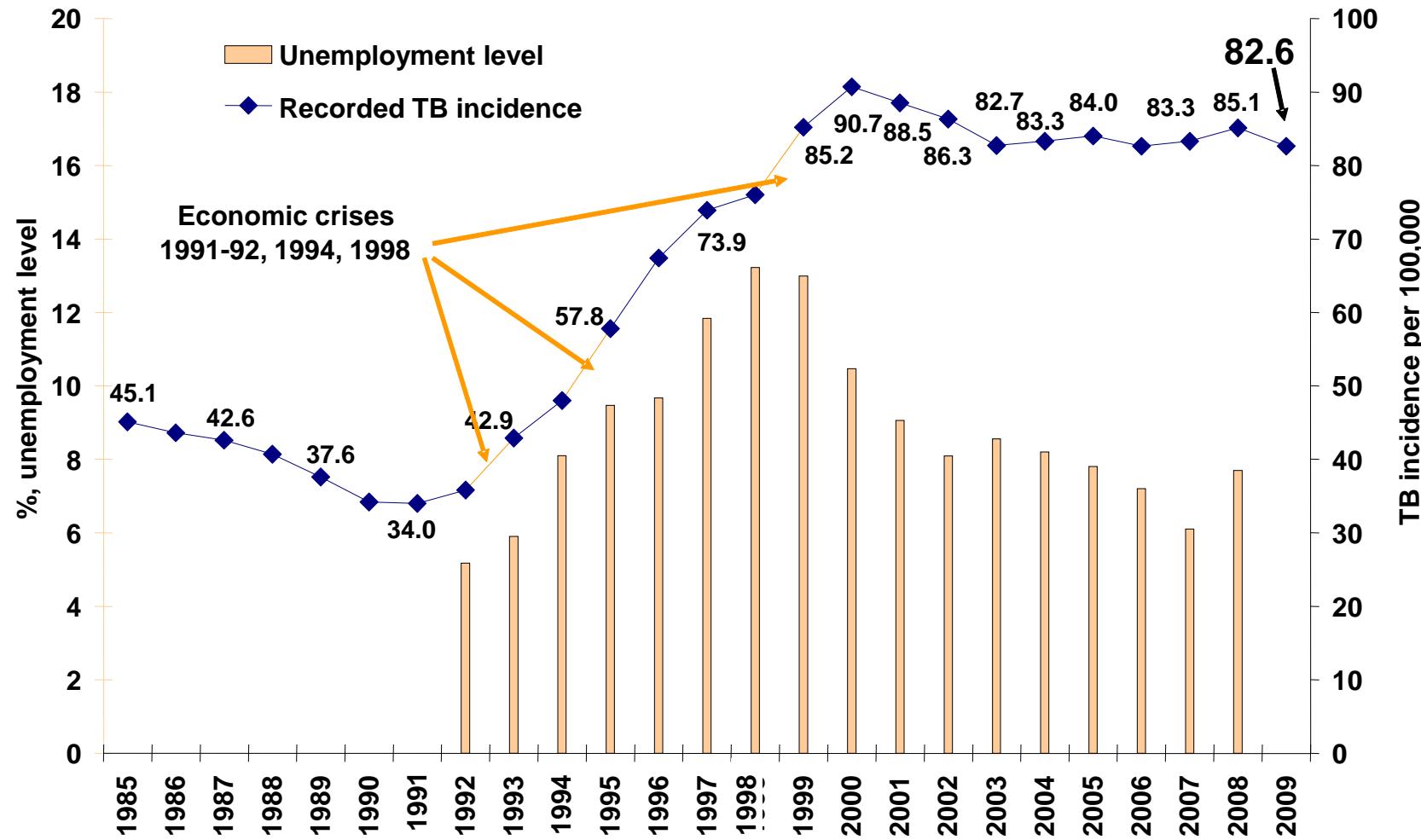
# TB situation in the Northwest Russia

*Vladimir Galkin*

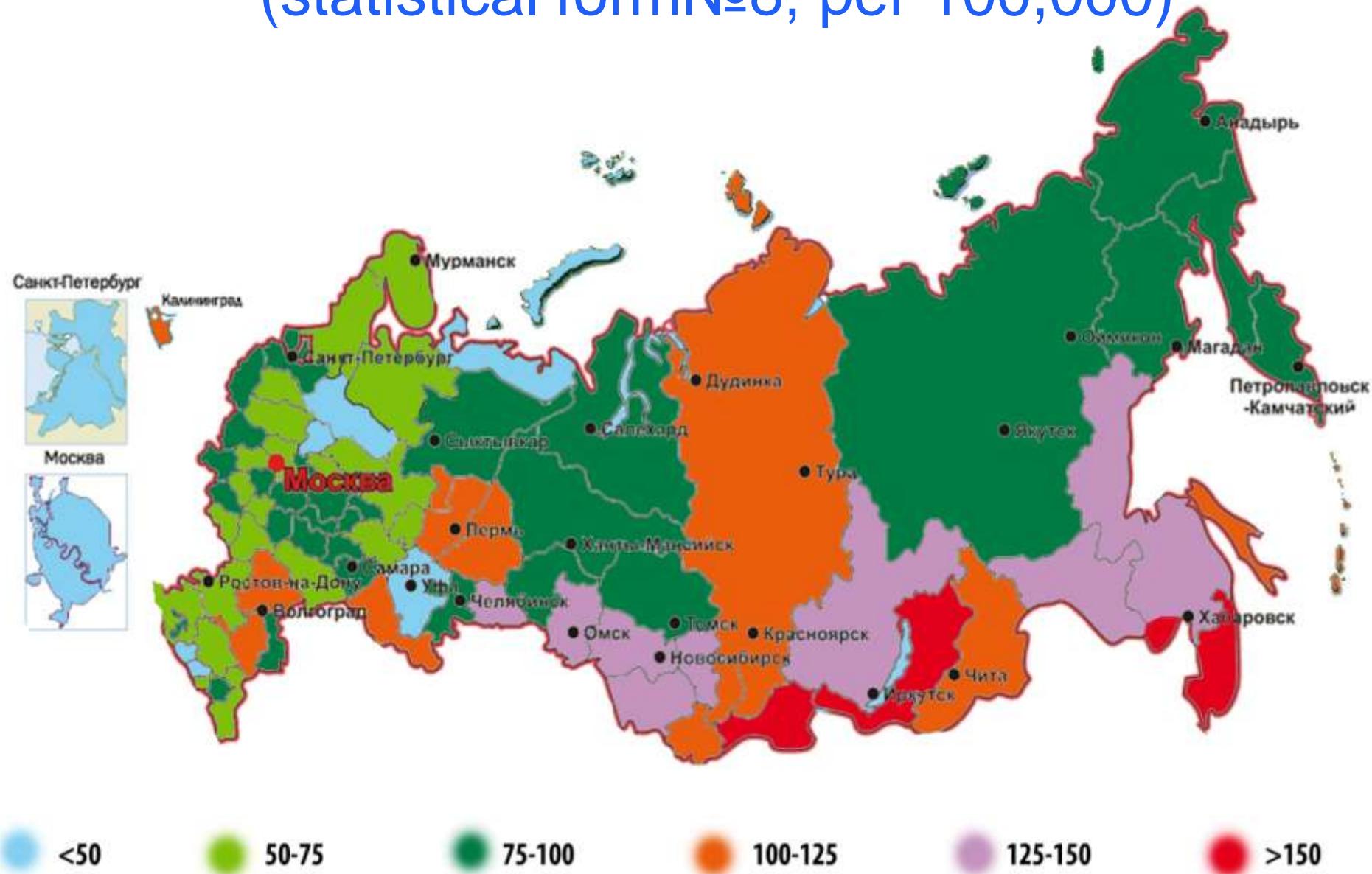
*St-Petersburg TB Research Institute*

<http://spbniif.ru>

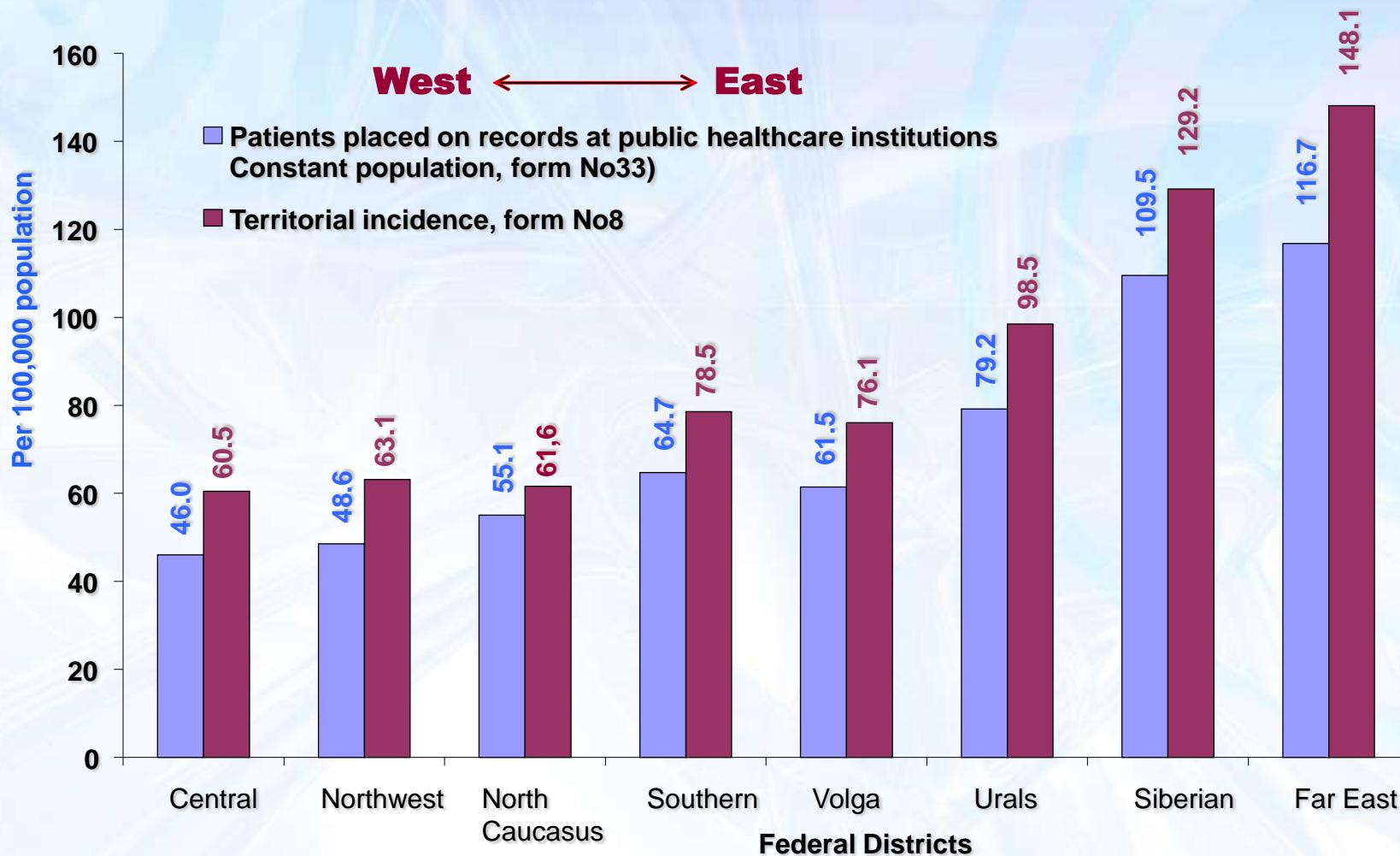
# Recorded TB incidence and unemployment level (Russia, 1985- 2009)



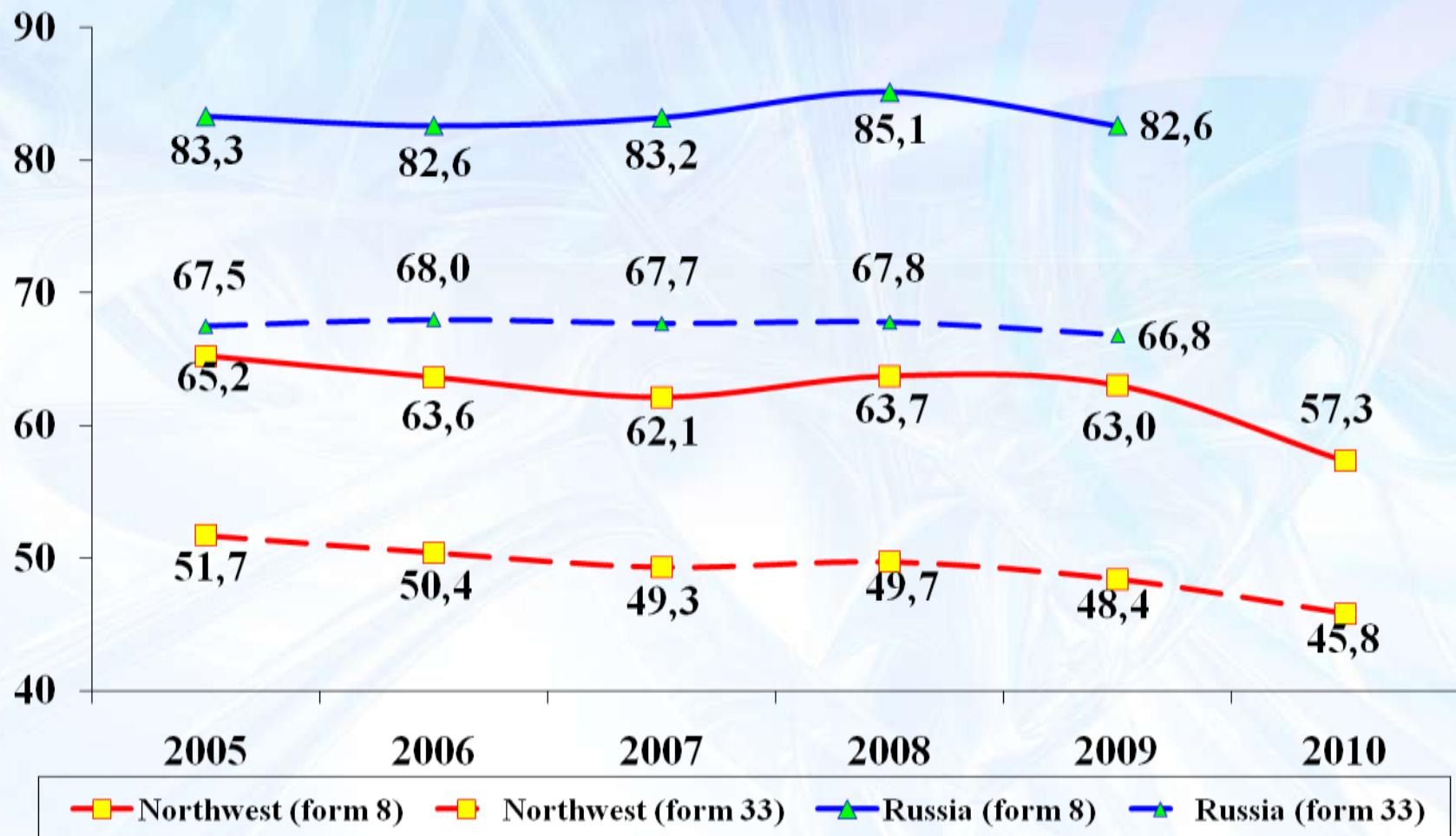
# TB incidence in Russian Regions in 2009 (statistical form №8, per 100,000)



# TB incidence in Russia's federal districts, 2009



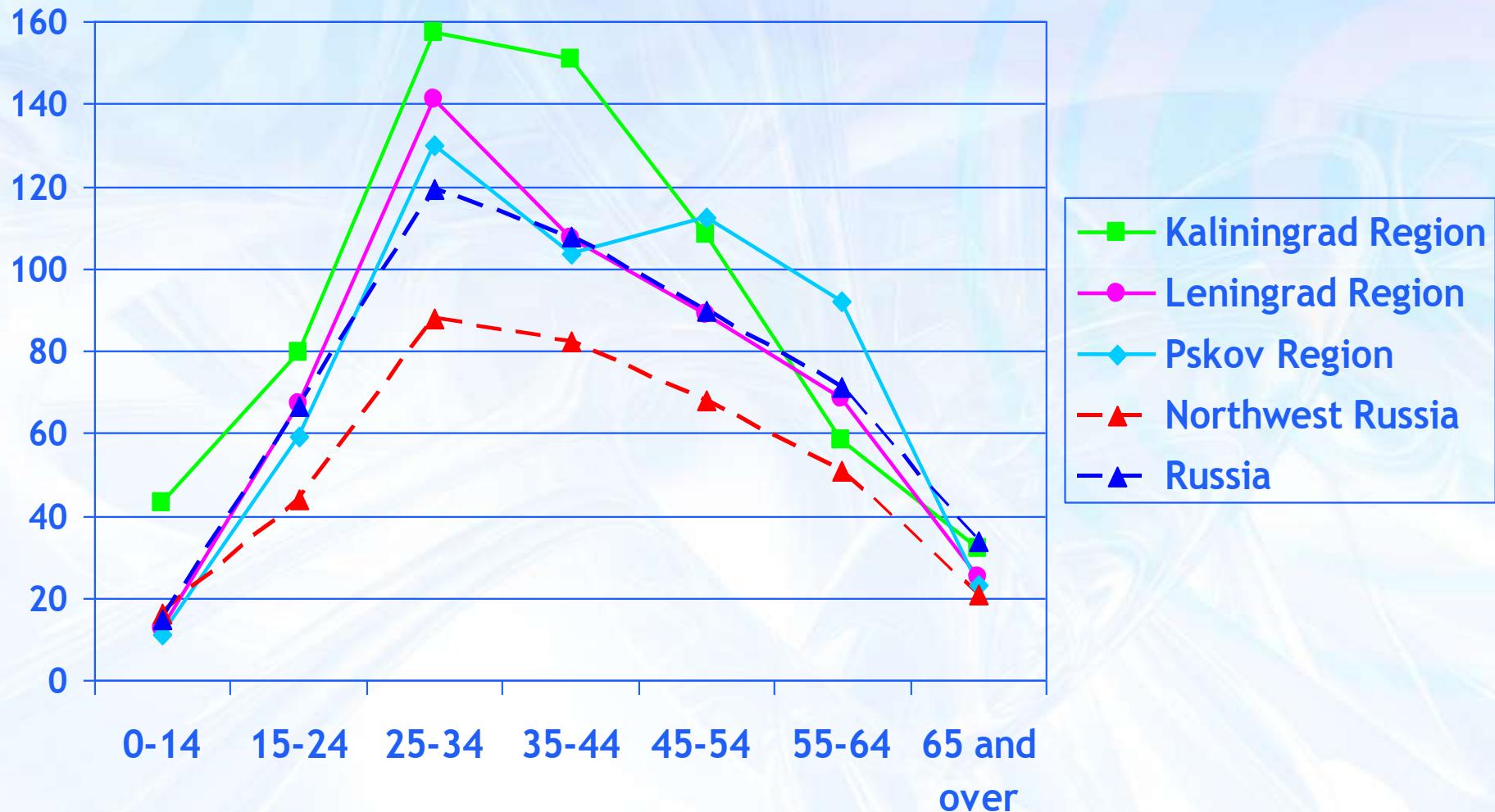
# TB incidence (per 100,000)



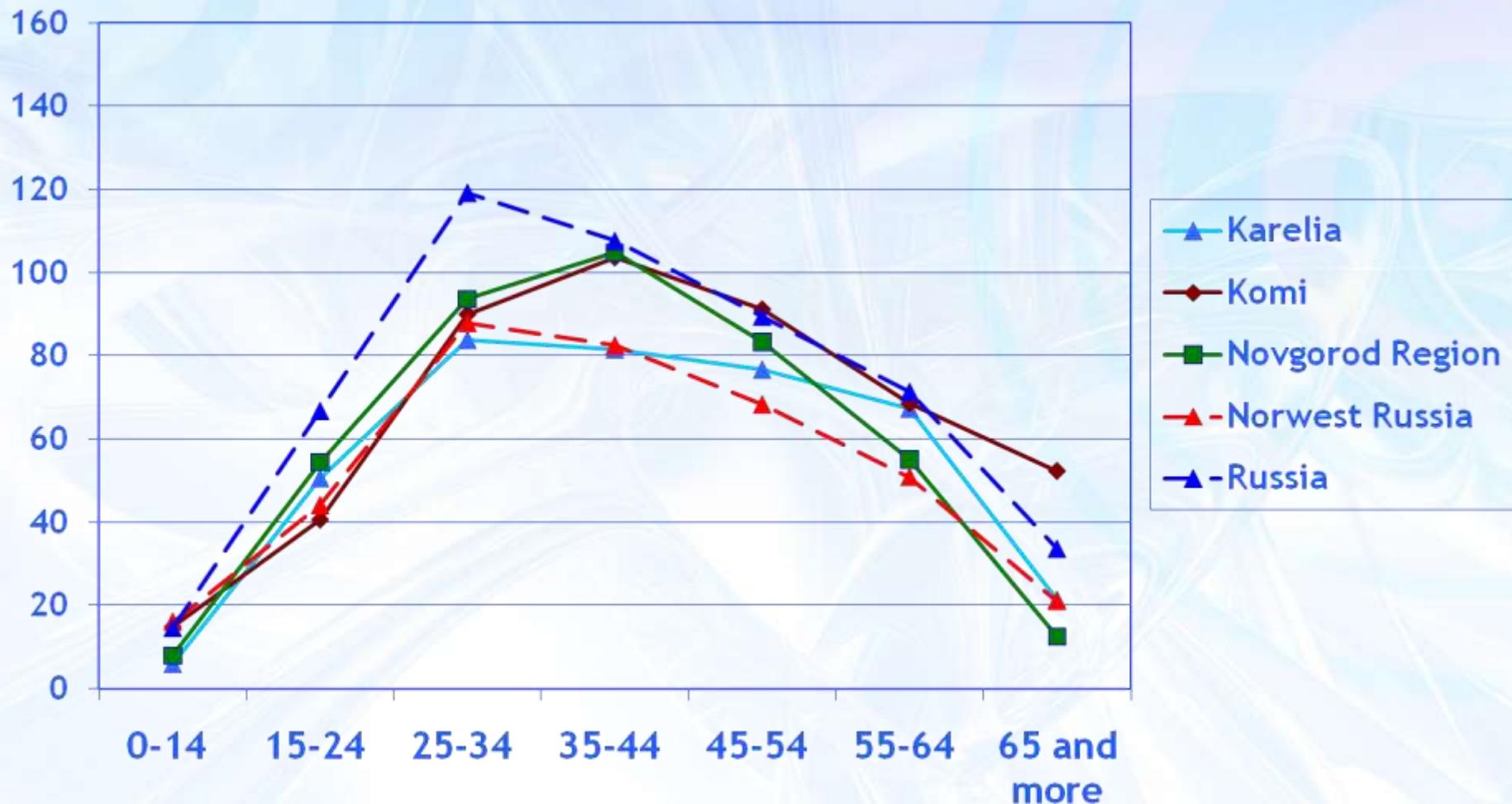
# TB incidence at various age and gender groups (Russia, 2009)



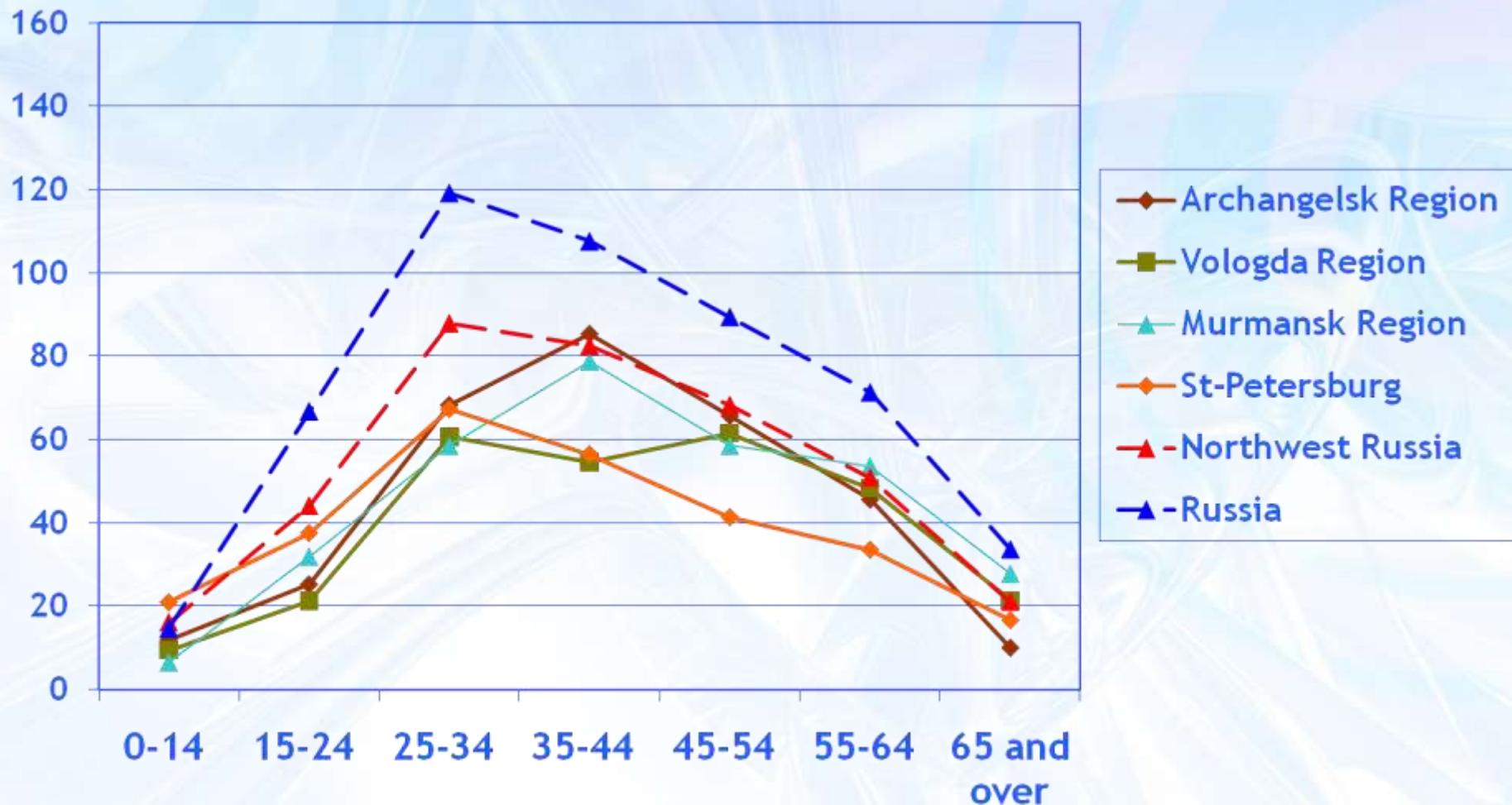
# TB incidence by age group, prisons excluded (Northwest Russia, 2009)



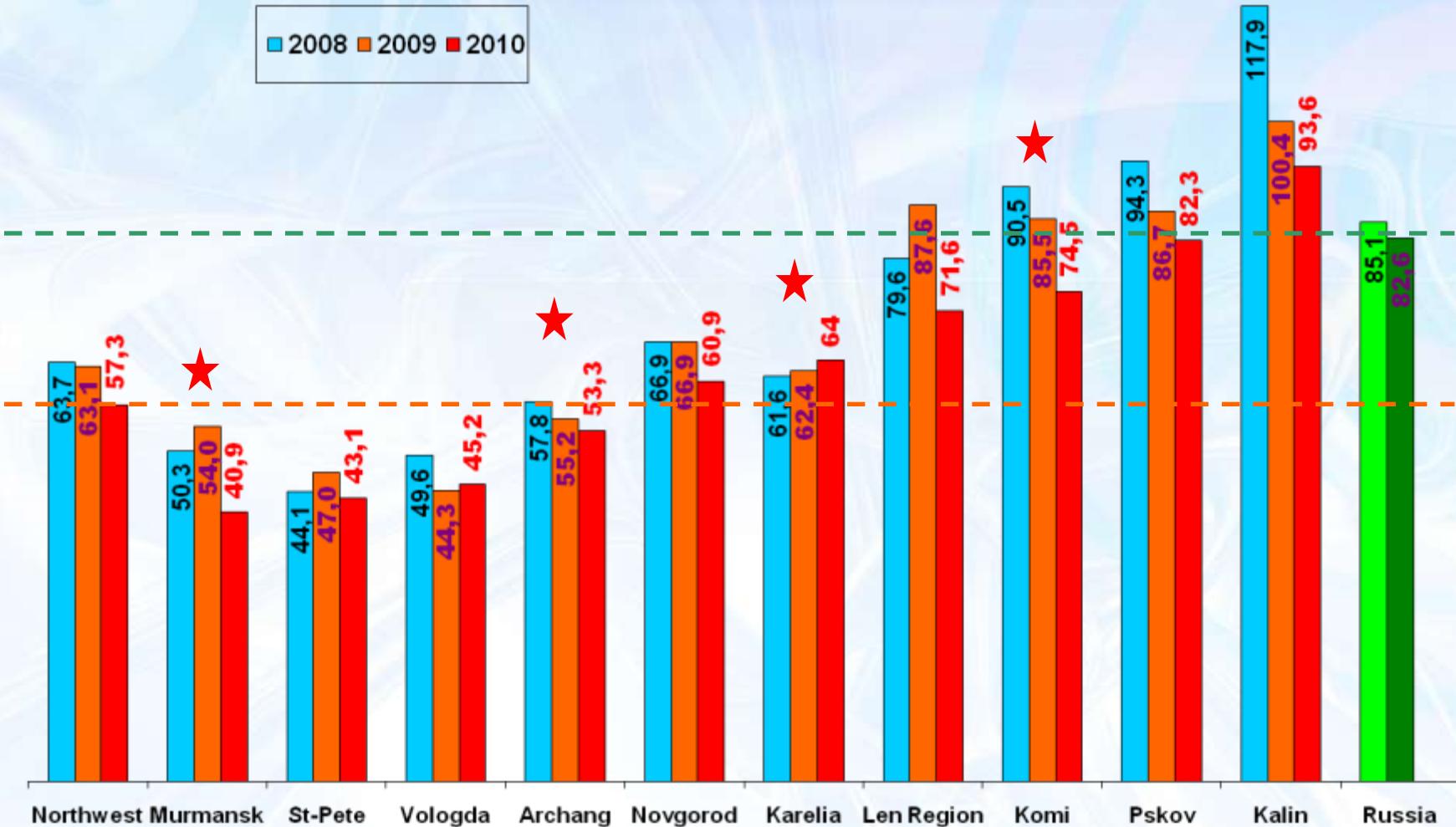
# TB incidence by age group, prisons excluded (Northwest Russia, 2009)



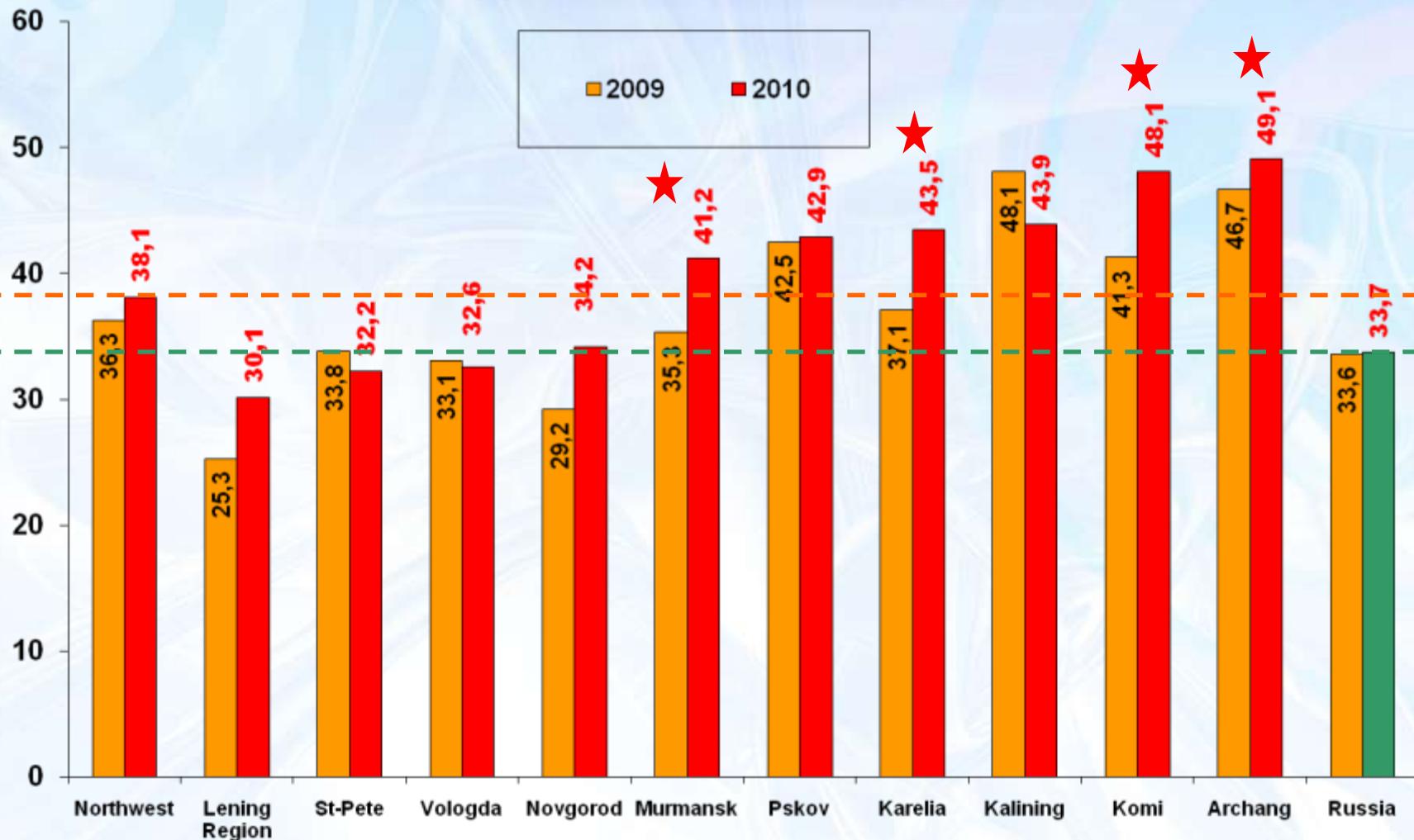
# TB incidence by age group, prisons excluded (Northwest Russia, 2009)



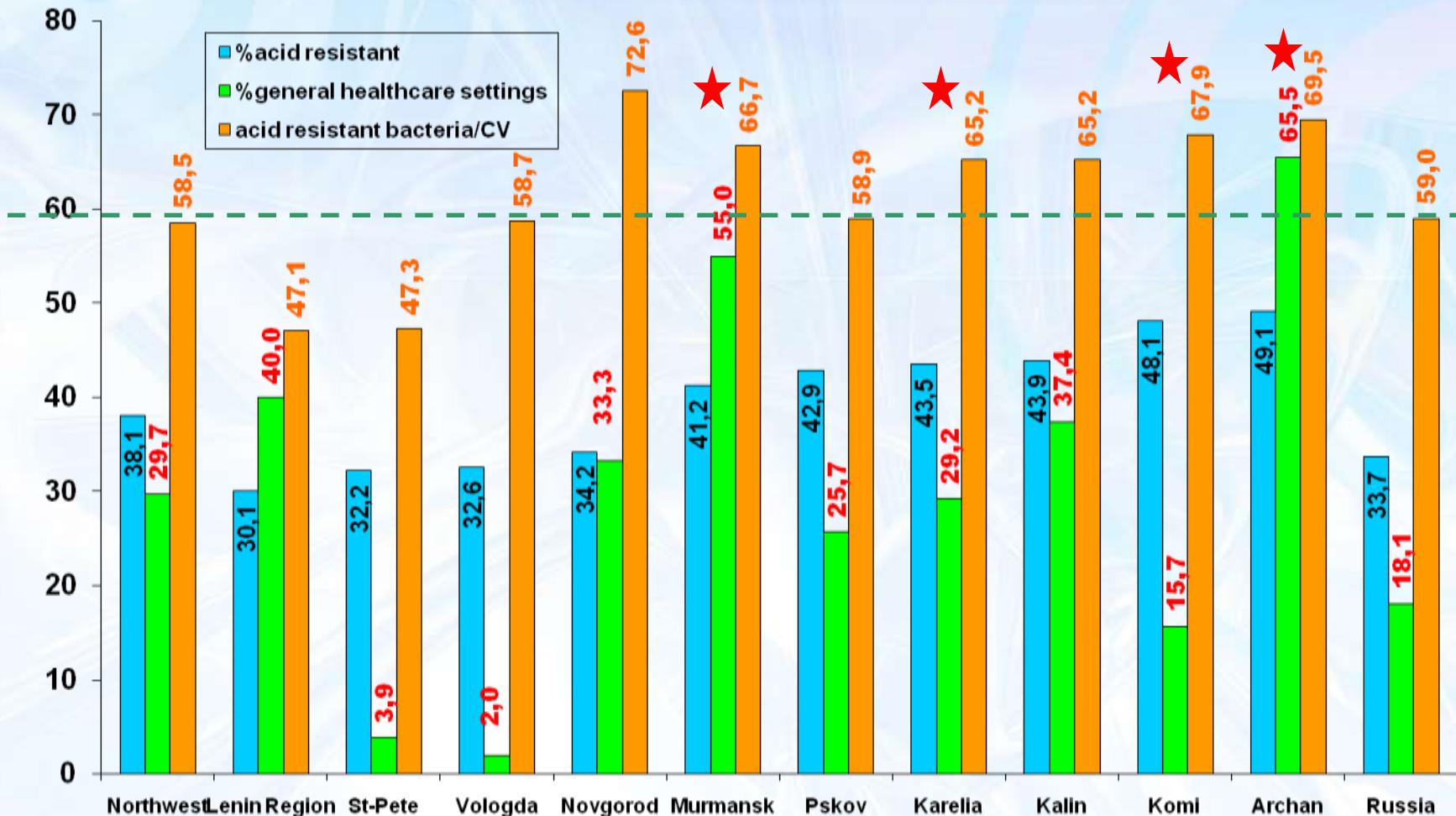
# TB incidence in 2008-2010 (statistical form No8)



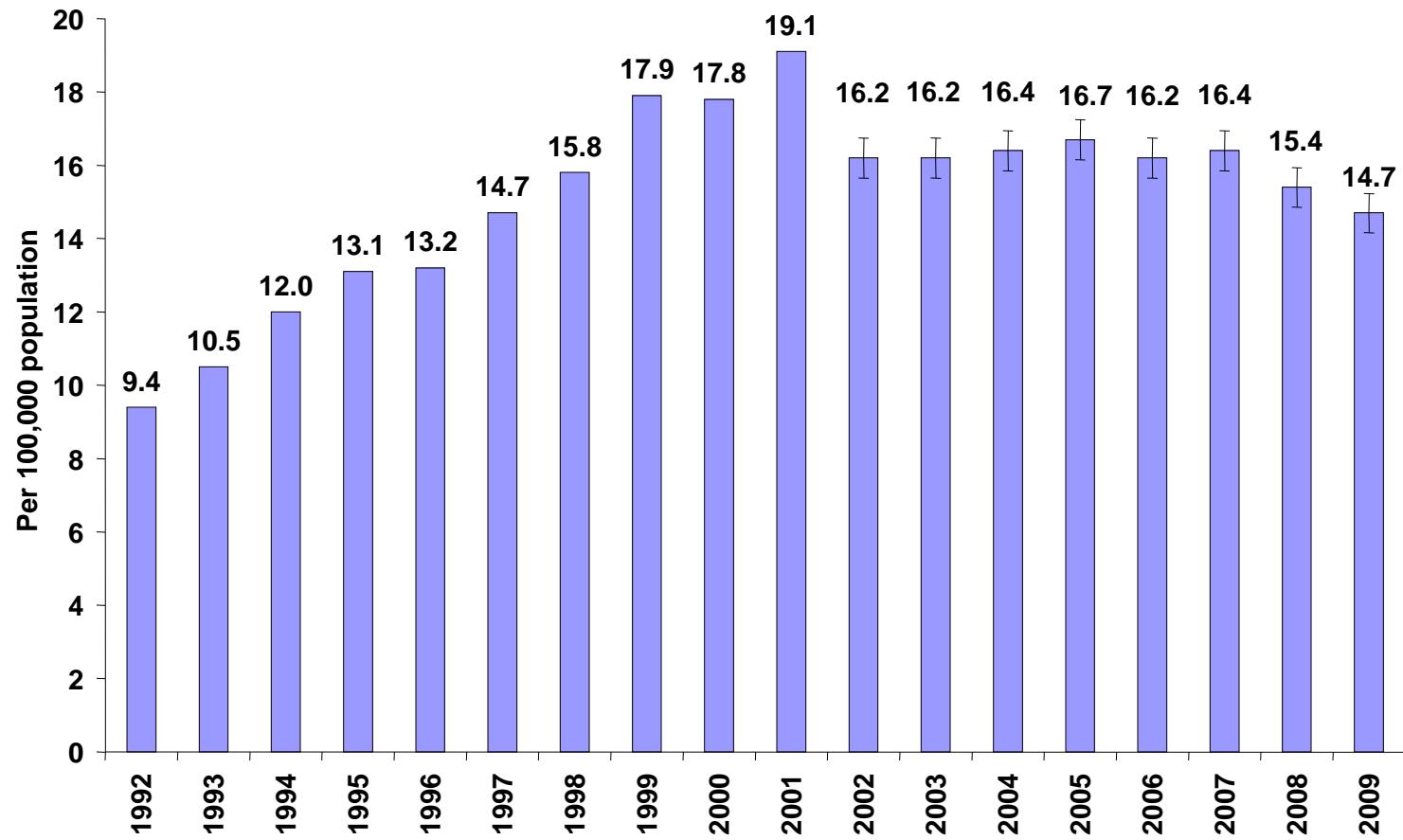
# Share of positive acid-resistant mycobacteria among newly diagnosed cases of lung TB in 2009-2010 (%, Northwest Russia, form No 7-ТБ)



# Characteristics of TB early verification in 2010 (%, Northwest Russia, form No 7-ТБ)

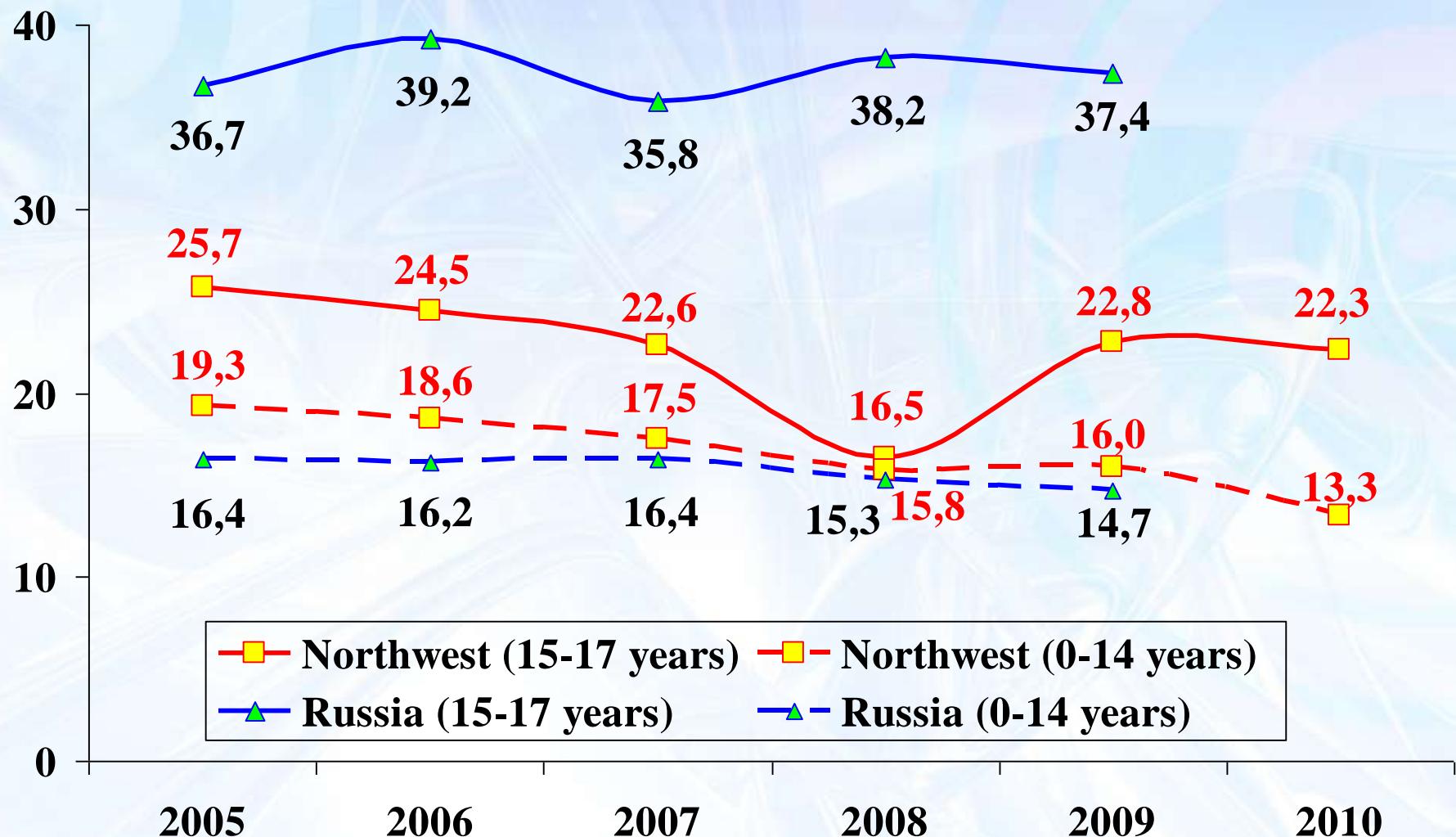


# Recorded incidence among children aged 0 to 14 years, 1992-2009, Russia

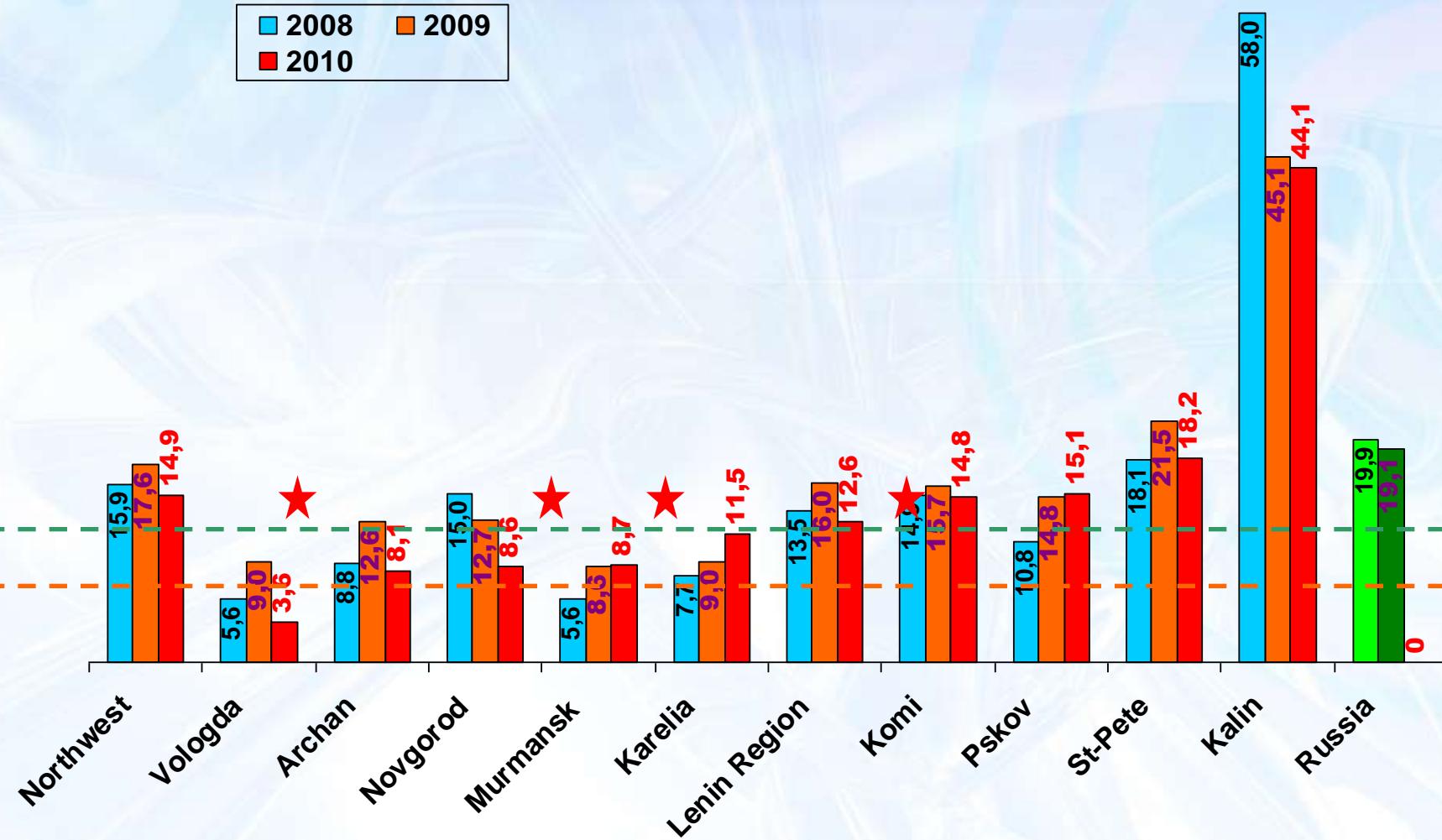


Линиями разброса для 2002-2009 гг. указаны 95%-е доверительные интервалы

# TB incidence among children in the Northwest Russia (form No 8, per 100,000)

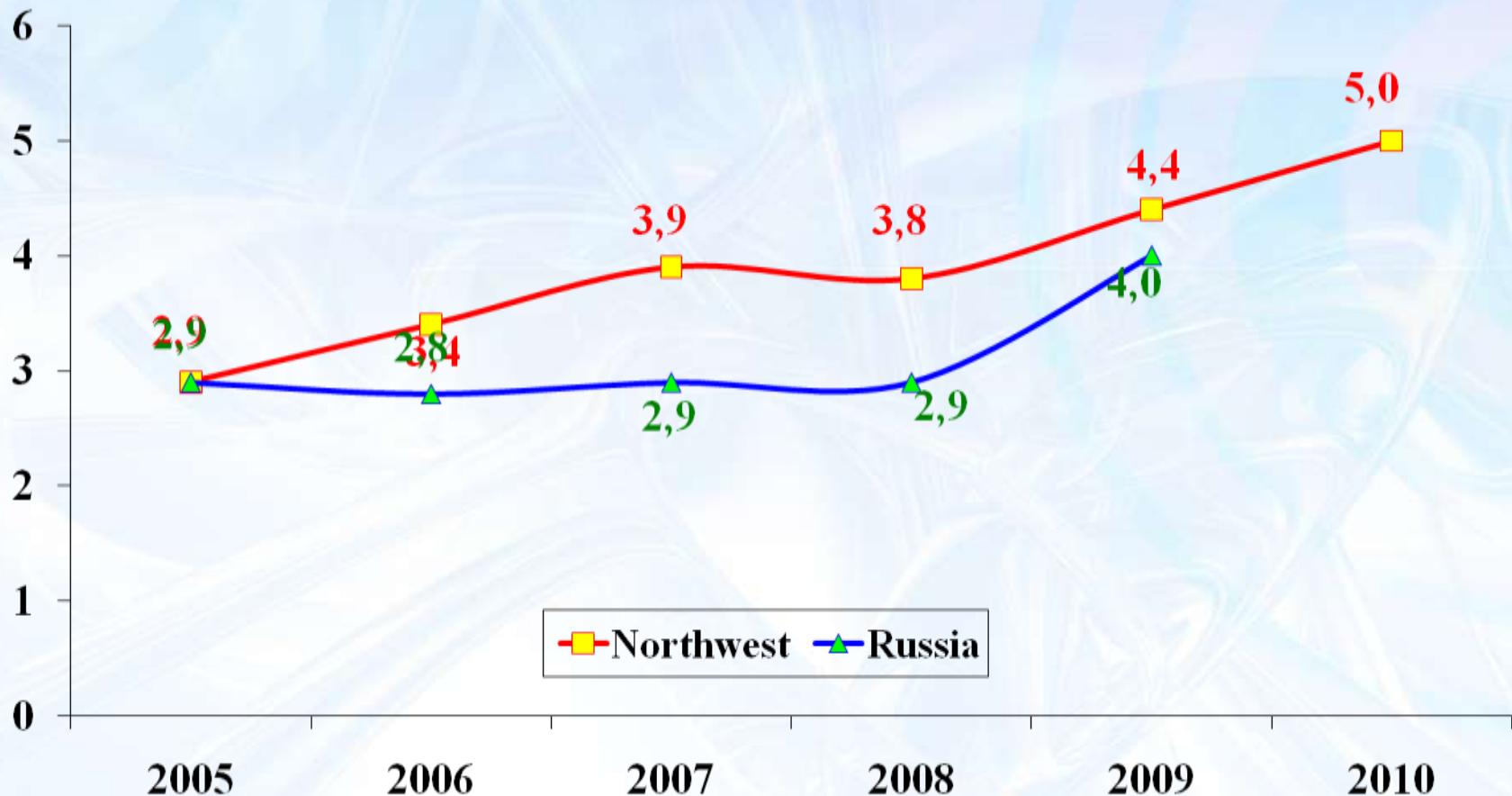


# TB incidence among children (0-17 years old) in 2008-2010 (form No 8)

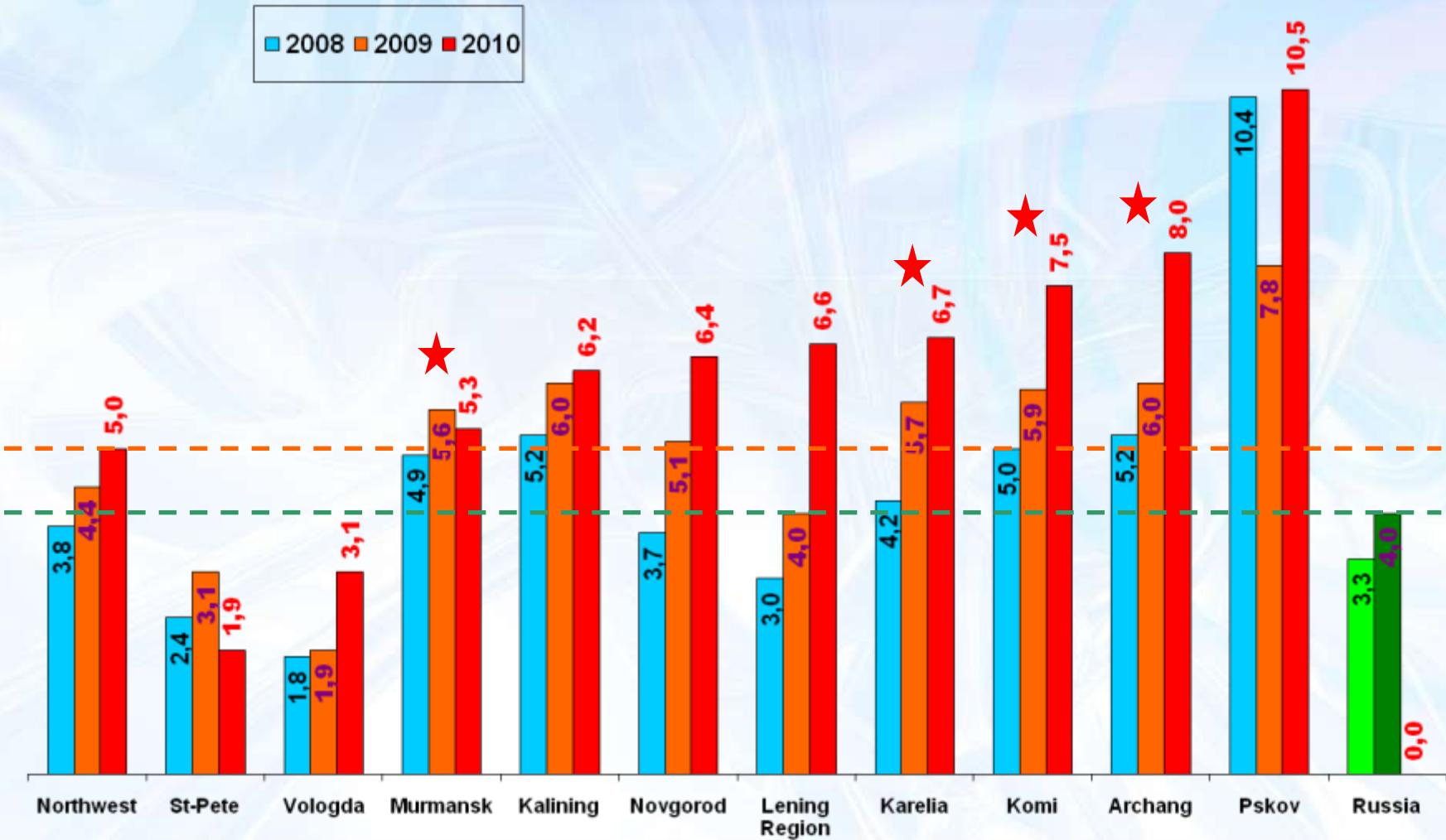


# Incidence of pulmonary TB + MDR

(per 100,000)

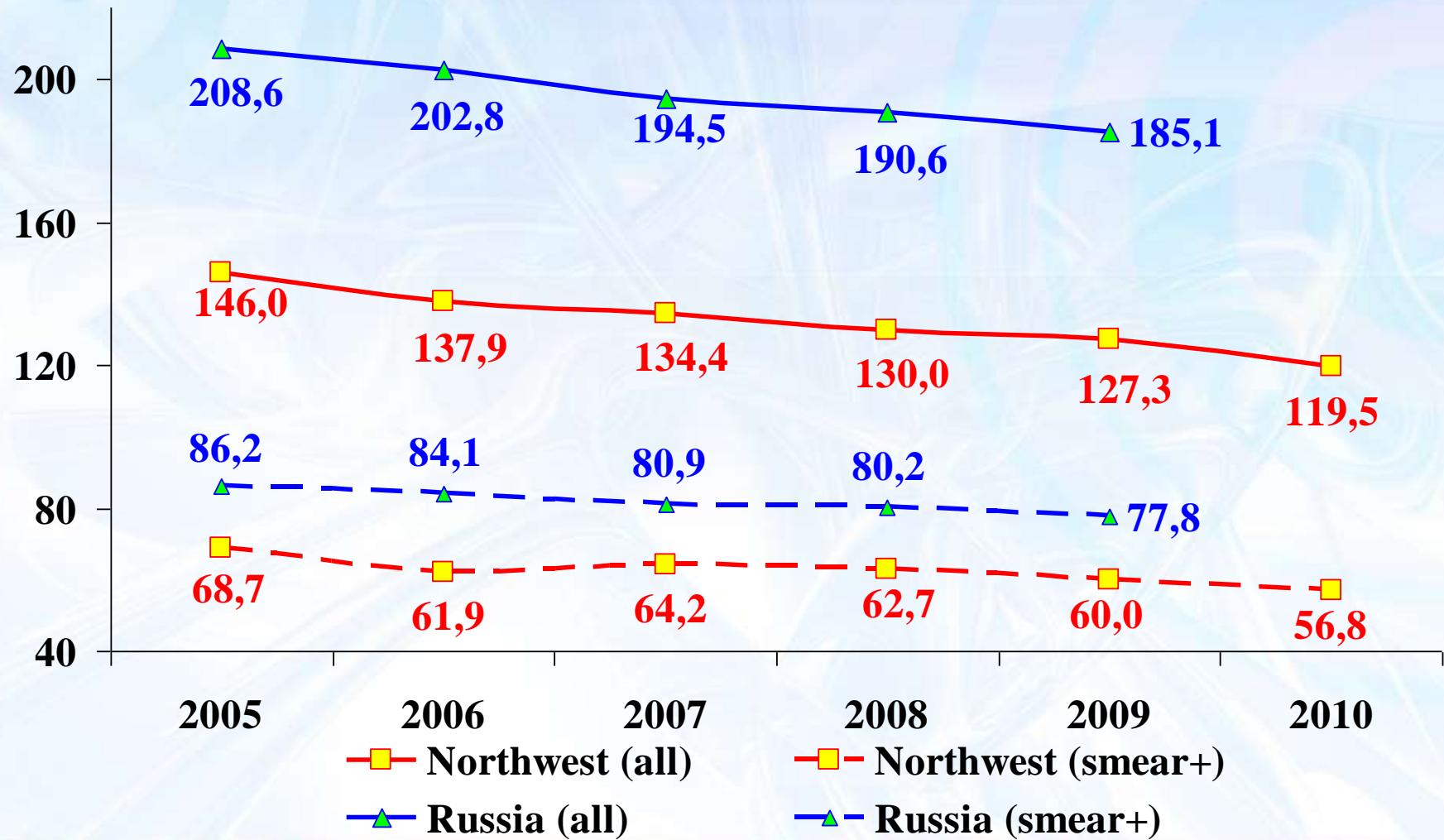


# Incidence of pulmonary TB + MDR in 2008-2010 (per 100,000)

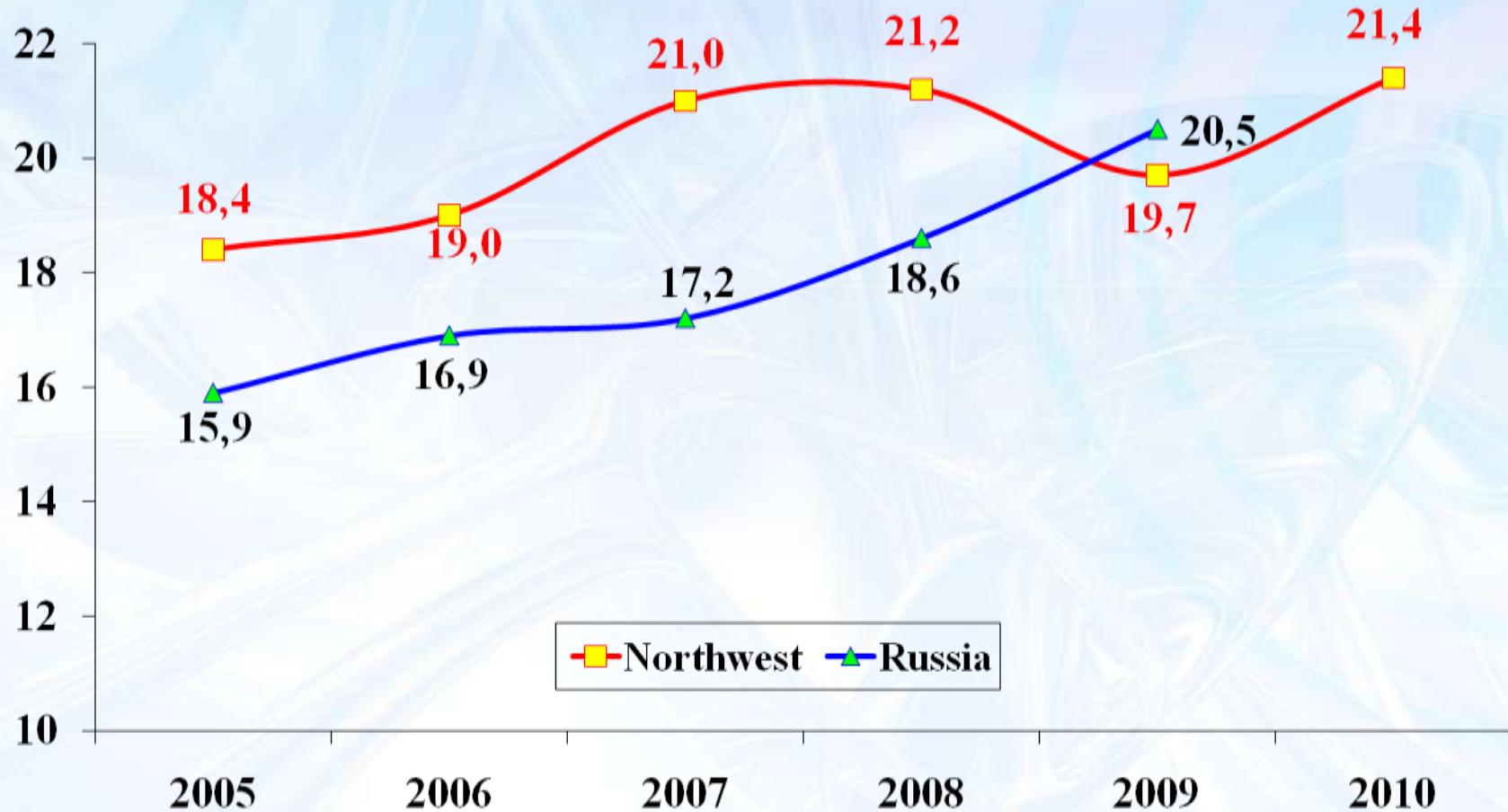


# **MDR TB epidemic starts**

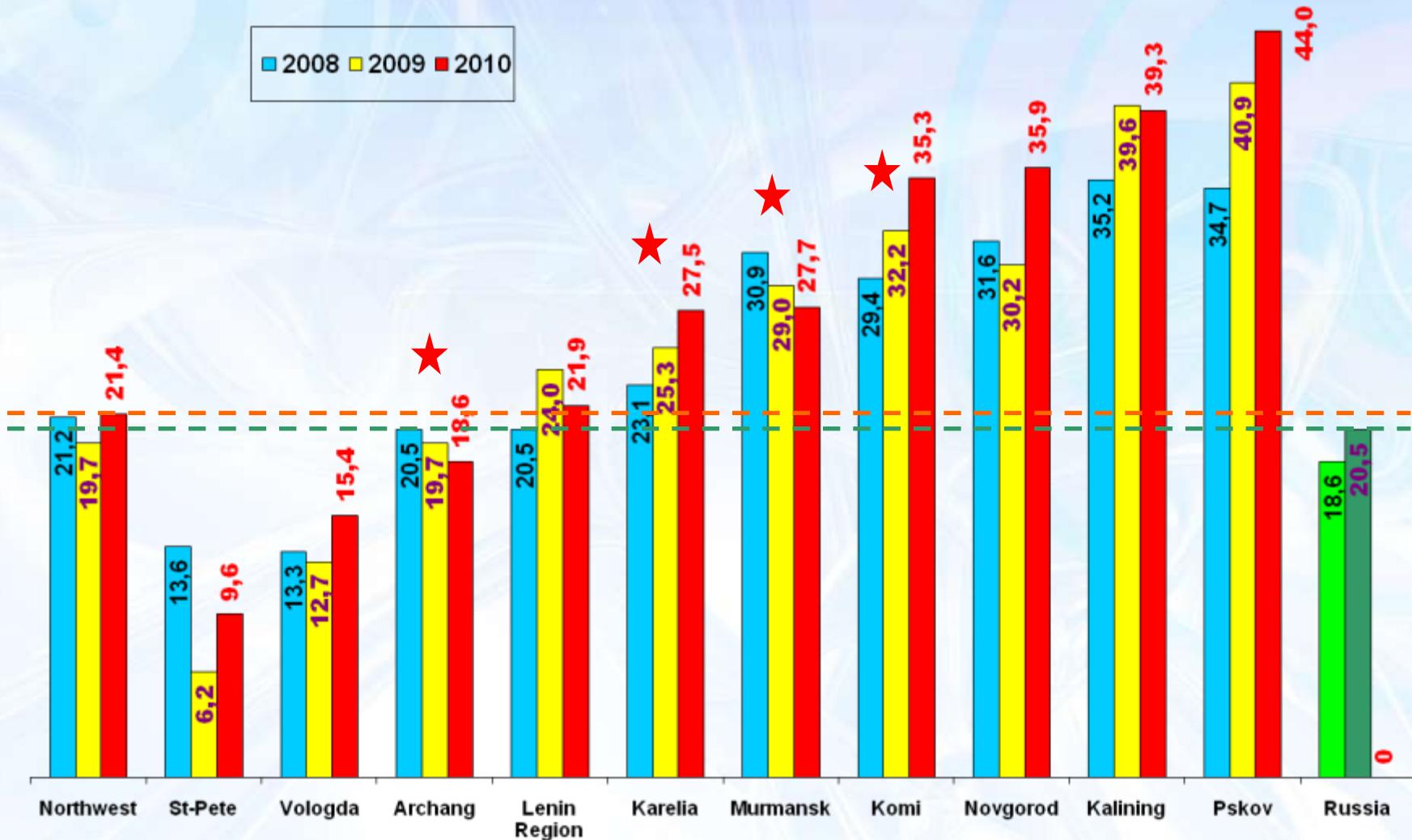
# TB prevalence (per 100,000)



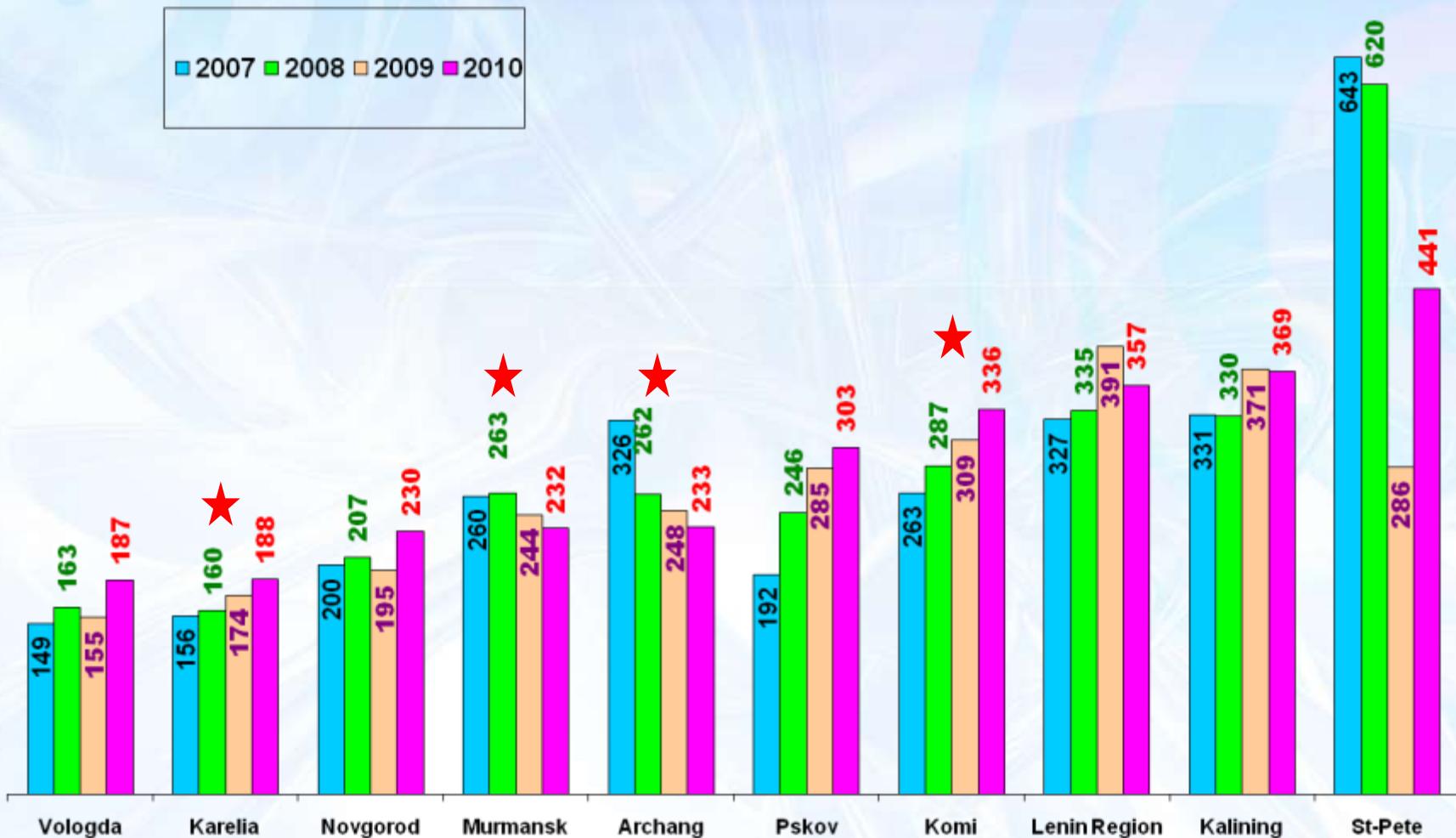
# Incidence of pulmonary TB + MDR (per 100,000)



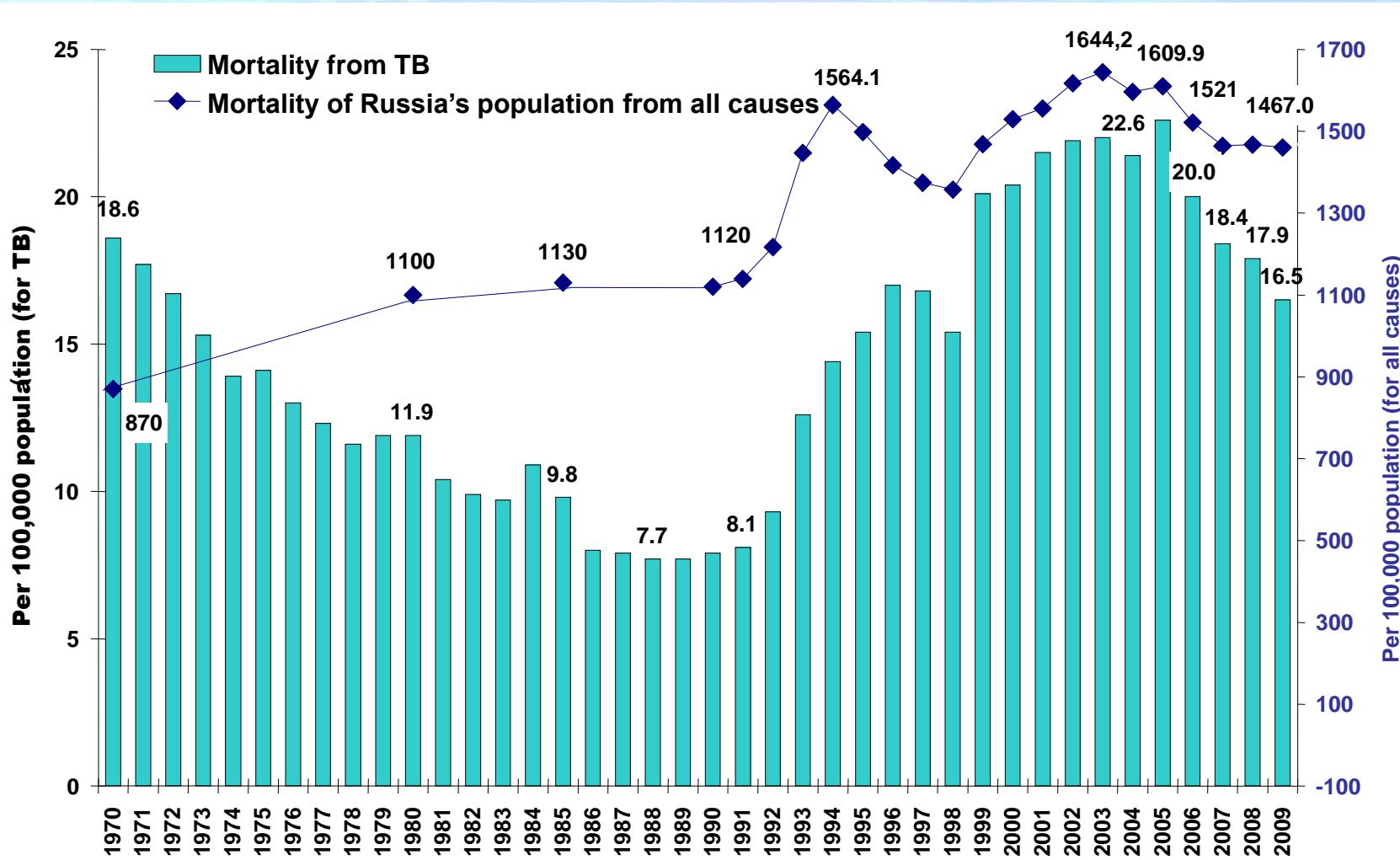
# Incidence of pulmonary TB + MDR in 2008-2010 (per 100,000)



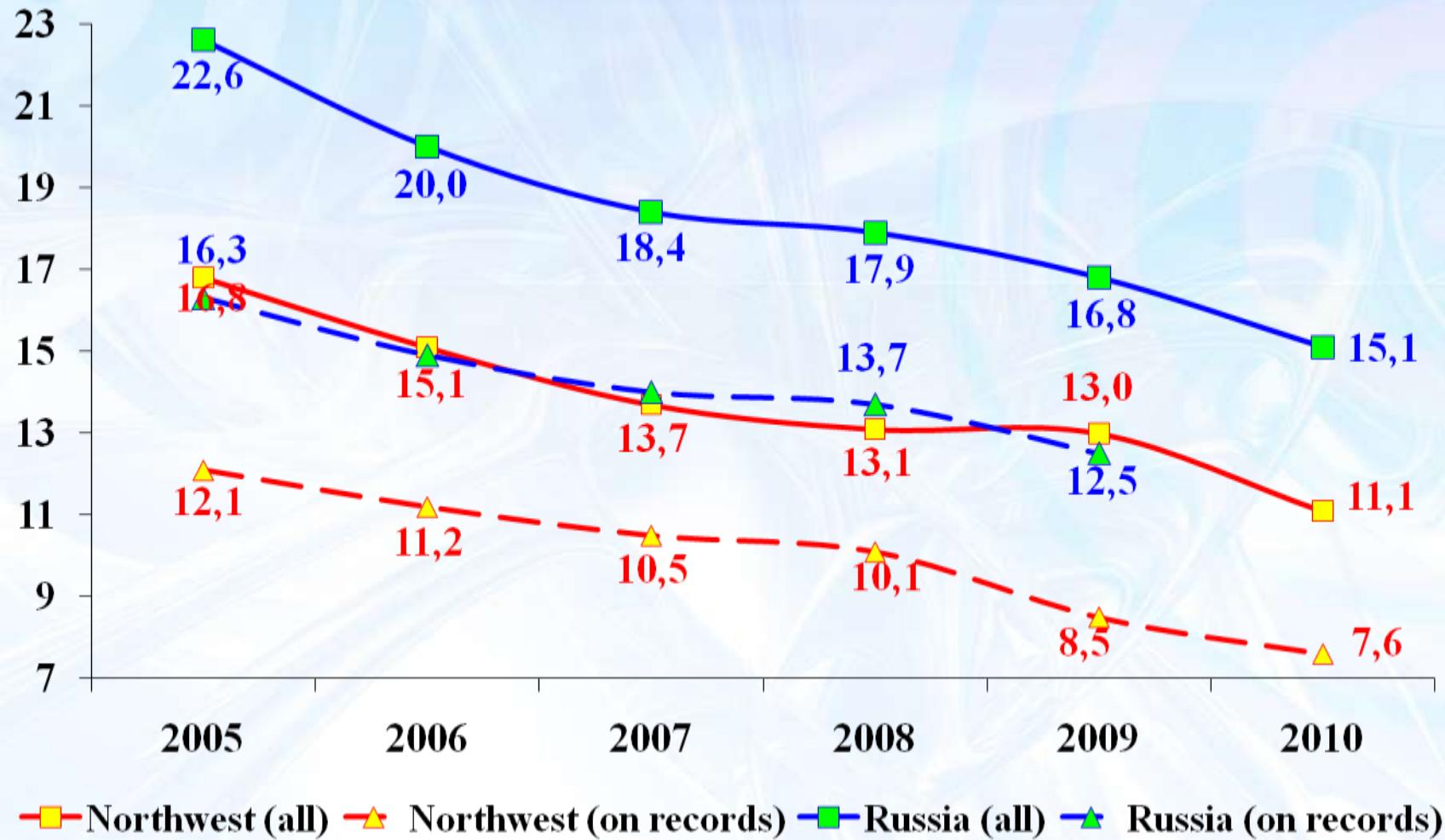
# Number of pulmonary TB + MDR patients in 2008-2010 (per 10,000)



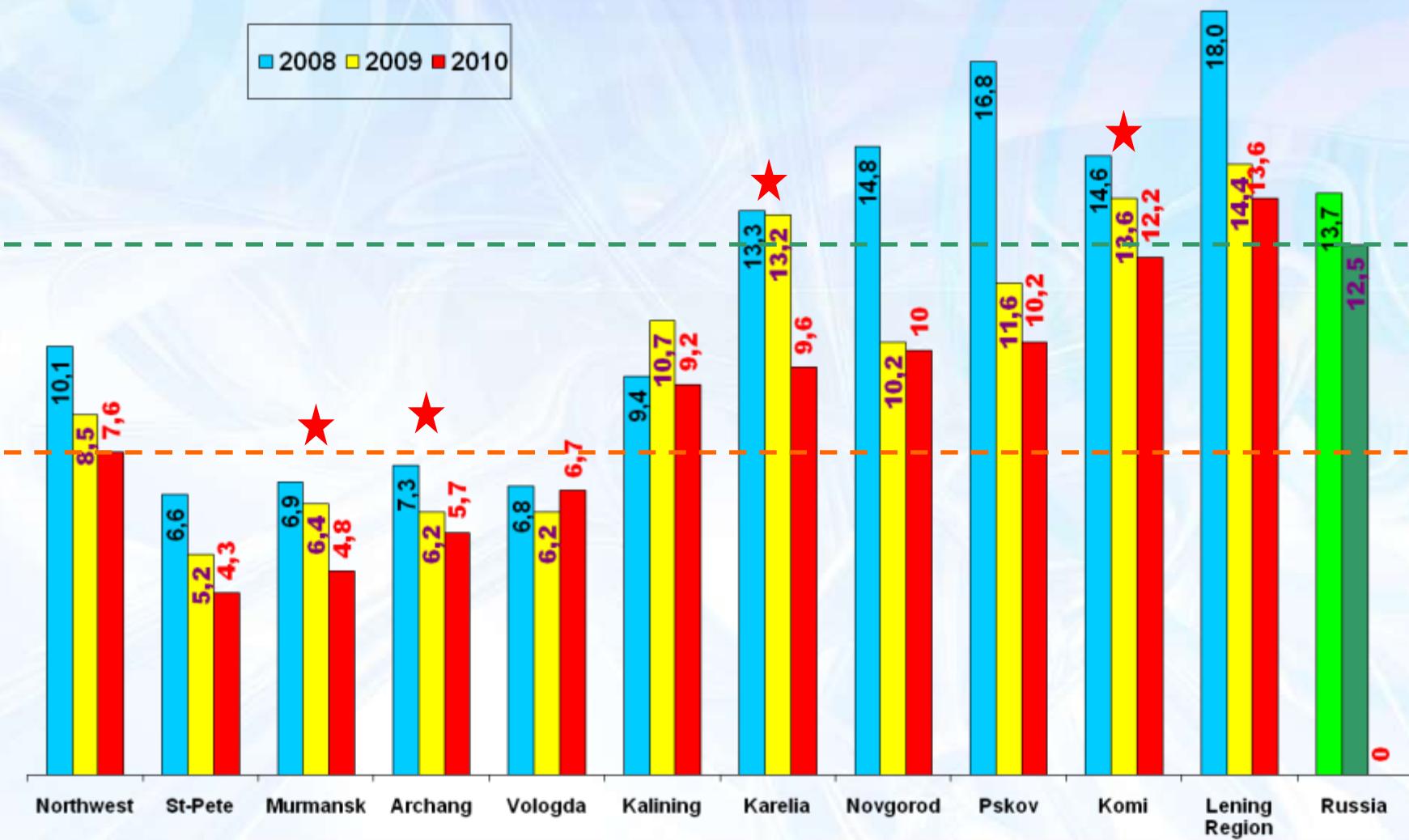
# Mortality from TB and fro all causes, Russia



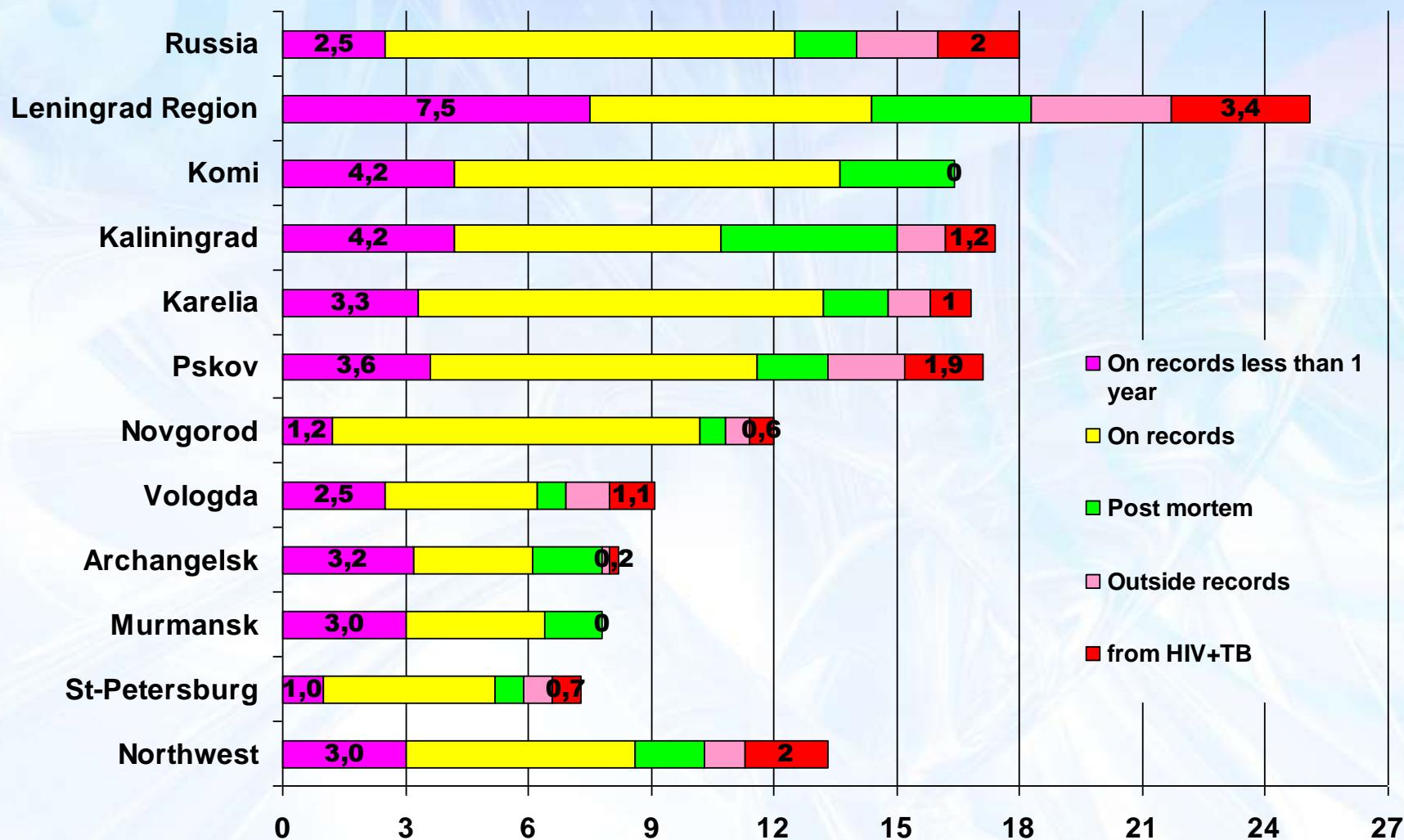
# Mortality from TB (per 100,000)



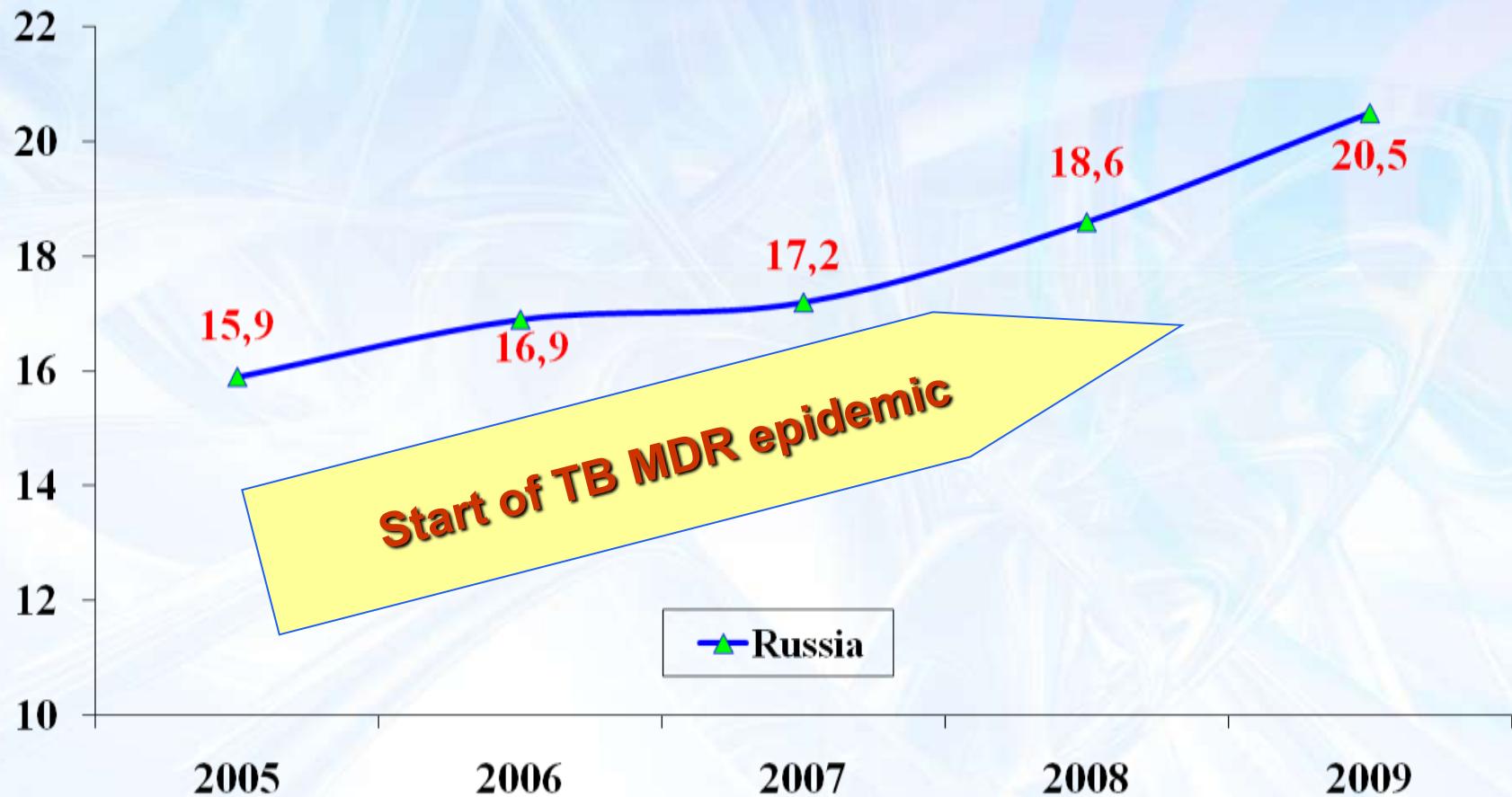
# Mortality from TB (among patients placed on records) in 2008-2010 (per 10,000)



# Mortality from TB and HIV+TB in 2009 (per 100,000)



# Prevalence of pulmonary TB + MDR (Russia, from No33, per 100,000)



# Number of new cases of TB MDR (Northwest Russia)



# Strategy for enhancement of MDR TB diagnosis and treatment

- **To successfully counteract the starting epidemic of MDR TB, the following aspects should be enhanced/developed:**
  - laboratory capacities
  - infrastructure
  - personnel training
  - drug management
  - infection control
  - model of healthcare
  - social support
  - monitoring and evaluation

# Strategy (2)

- Strengthening of the healthcare system
  - Development of regulatory framework
  - Enhanced effectiveness of introduction of the TB treatment standards
  - A common system of clinical, laboratory and epidemiological monitoring of MDR TB
  - Increased social responsibility of managers at all levels of TB response
  - Prevention
  - Sufficient and adequate financial support from the government

Henry Ford  
“About teamwork”

**"Coming together is a beginning.**

**Keeping together is progress.**

**Working together is success".**