

Kidney transplantation in Russia

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Russian Dialysis Society

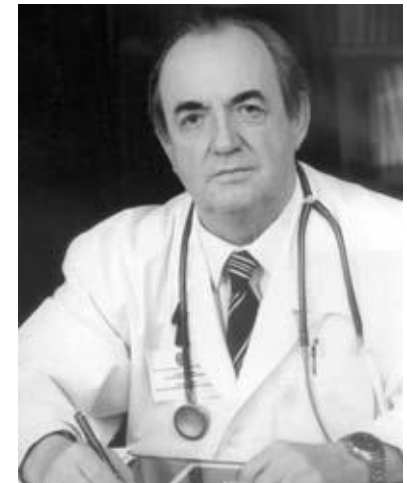


Little bit of history

- ❑ The first kidney transplantation from a deceased donor was performed by Yuri Voronoy in 1933 in Kherson (now a territory of Ukraine)
- ❑ While the procedure was not successful, the first ever attempt, published in the journal *Vinerva Chirurgica* in 1934, enabled further developments



- ❑ The first successful kidney transplantation from a relative living donor was performed by Boris Petrovsky at the Russian Research Center of Surgery in 1965
- ❑ In 1967, the Research Institute of Organ and Tissue Transplantation, first headed by Gleb Solovyov, was created by the initiative of Professor Petrovsky
- ❑ In 1969 the program of kidney transplantation from deceased donors was initiated and widely implemented by Valery Shumakov, who headed the Research Institute of Organ and Tissue Transplantation for more than 30 years since 1974
- ❑ Actually the National Medical Research Center of Transplantology and Artificial Organs is bearing his name



- ❑ The number of centers performing kidney transplantation exclusively from deceased donors increased over the next two decades
- ❑ Pavel Phyliptsev played a leading role in the implementation of kidney transplantation for almost three decades
- ❑ In 1990, the first center for pediatric kidney transplantation was opened in the Russian Children's Clinical Hospital

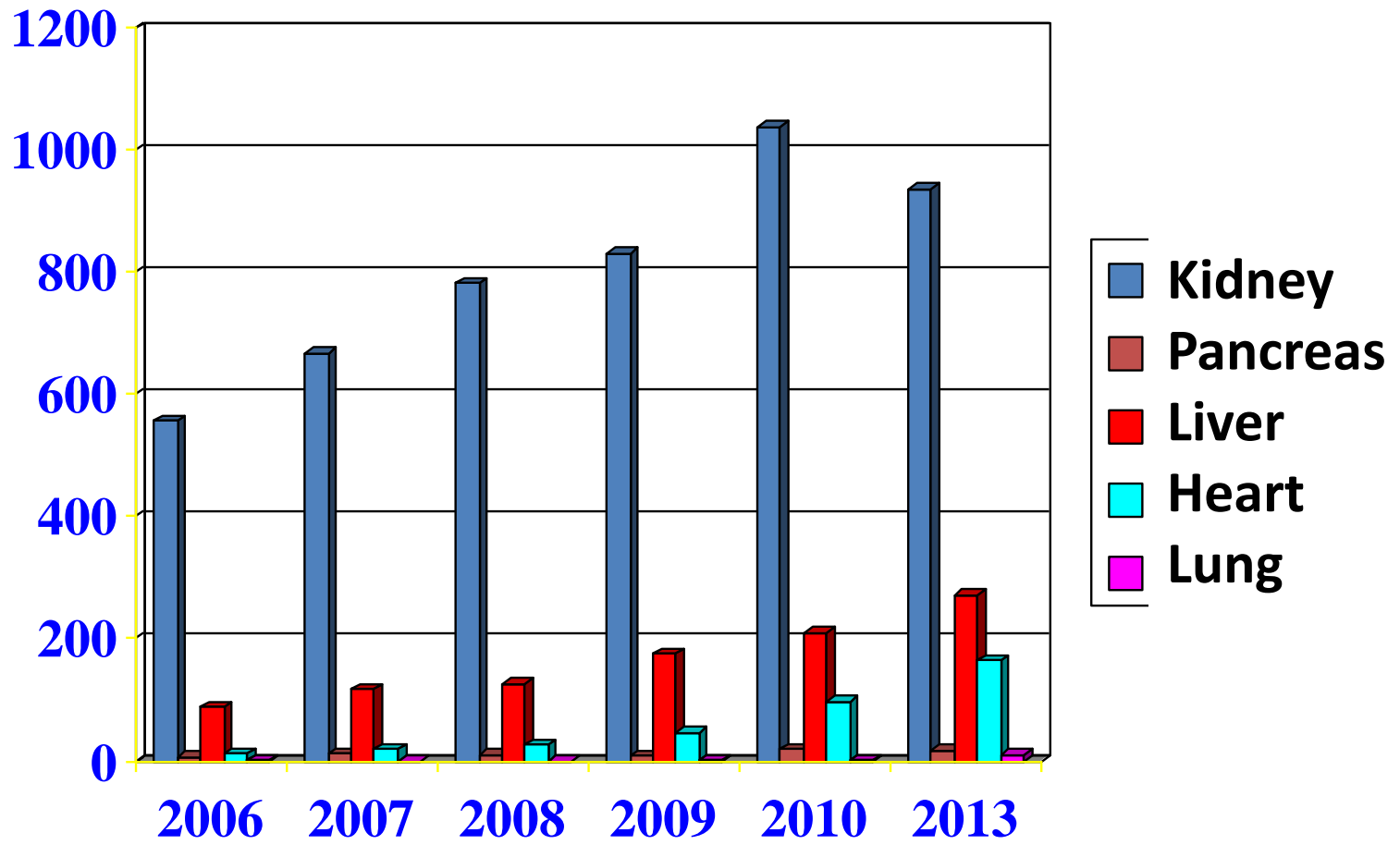
- ❑ In 1992, the federal legislation regarding "transplantation of organs and/or tissues" was introduced, whereby only direct relatives are allowed to donate kidneys for transplantation
- ❑ Several regulatory documents have been released since, the order addressing "regalement of brain death diagnostics" (2014)

- ❑ Program of kidney transplantation from living donors commenced in 1999 in the National Medical Research Center of Transplantology and Artificial Organs by Yan Moysuk

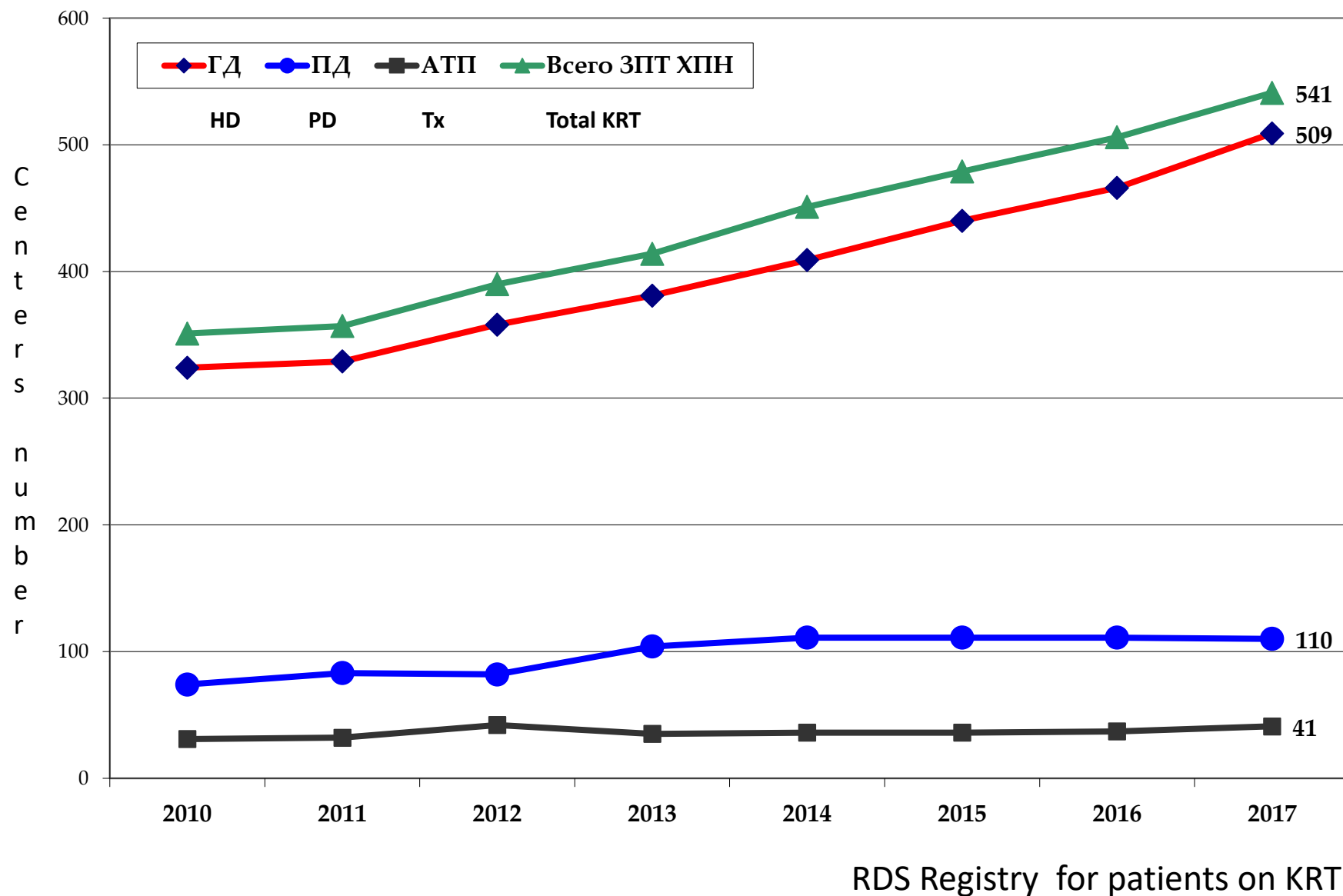


Current status

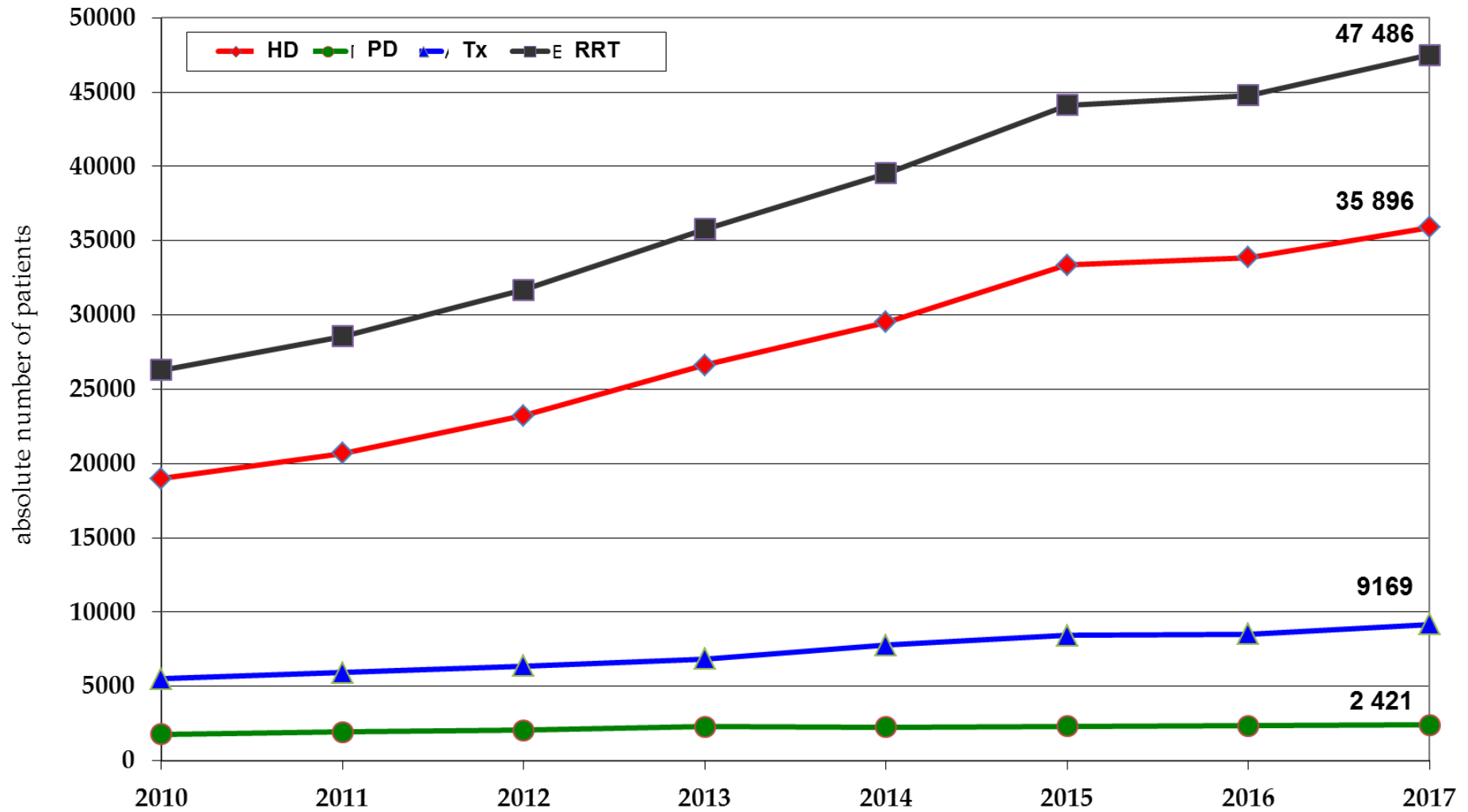
Organ Transplantation in Russian Federation



Number of centers providing KRT, 2010-2017

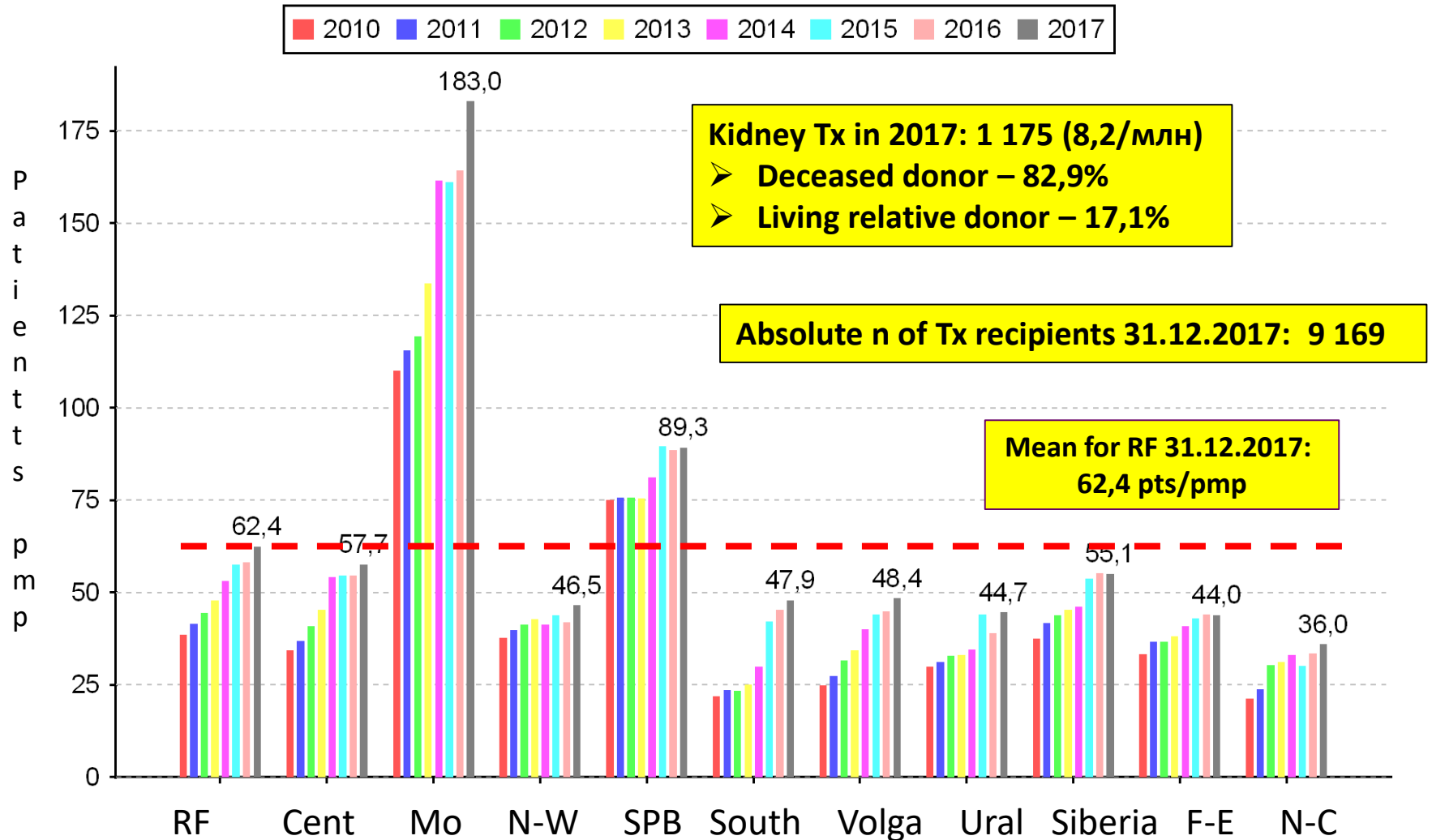


The absolute number of patients on KRT, 2010-2017



RDS Registry for patients on KRT

Prevalence of kidney Tx recipients (pmp) by Regions of RF 2010-2017



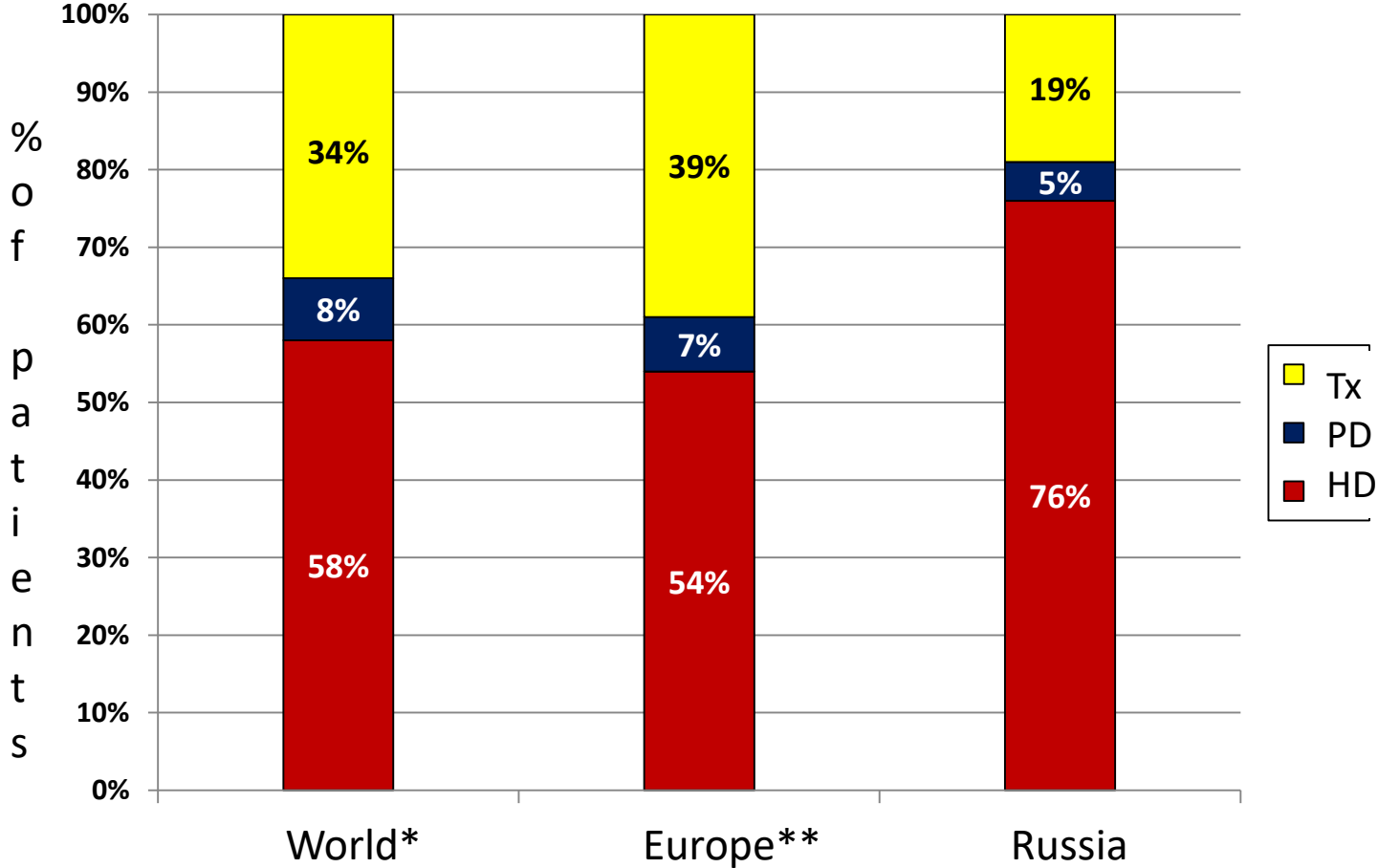
Organ donation

- Russian Federation: 4 donors pmp
- Moscow: 17 donors pmp
- Needed: 28-32 donors pmp

Problems

- Lack of transplant coordinators
- Negative public opinion

KRT modalities distribution 2016, International comparison



*Including Europe, excluding Russia
**Excluding Russia