

Congenital anomalies in the children born to the mothers with diabetes mellitus in the Czech Republic (2000-2015): Population wide study

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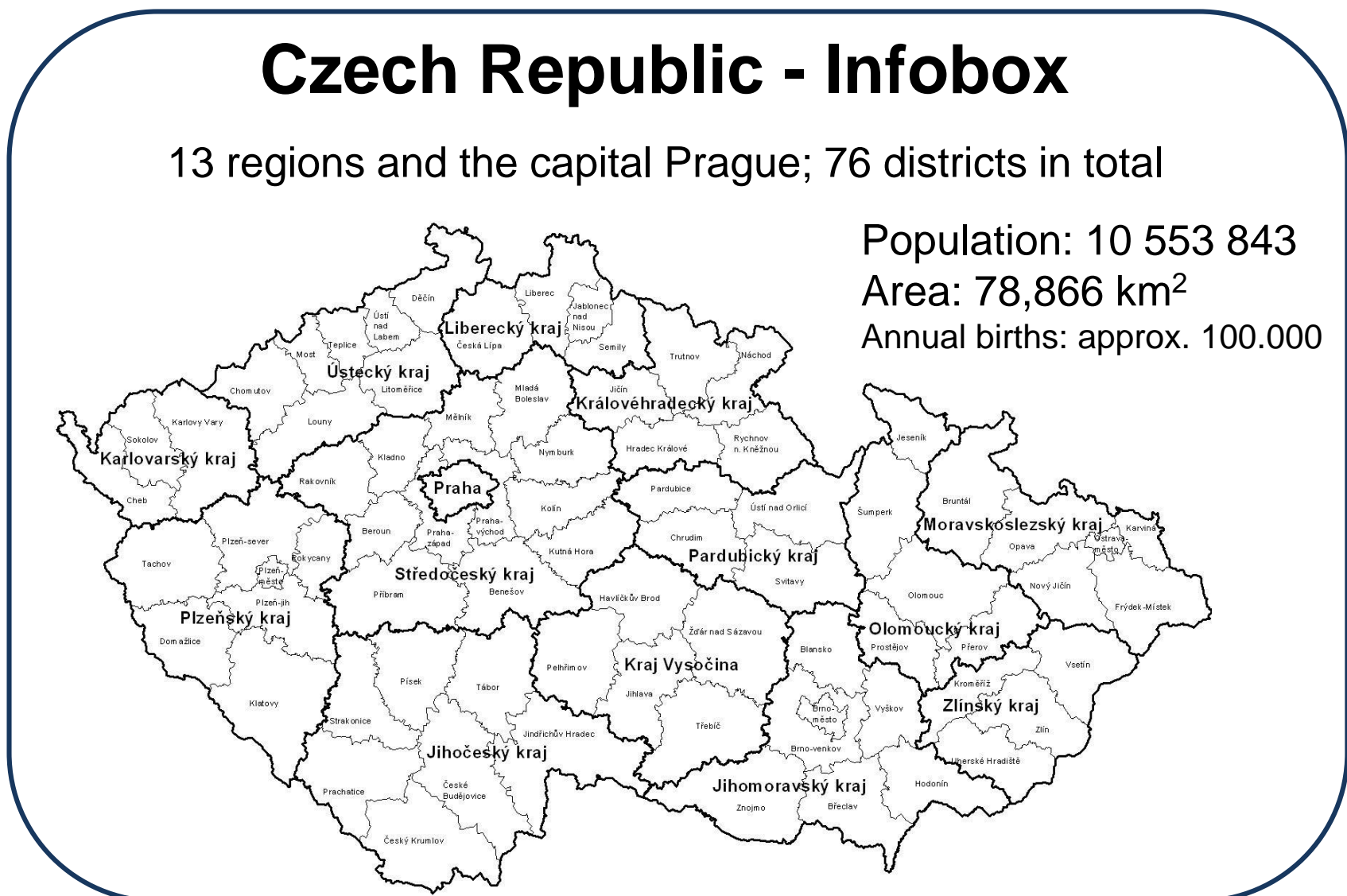
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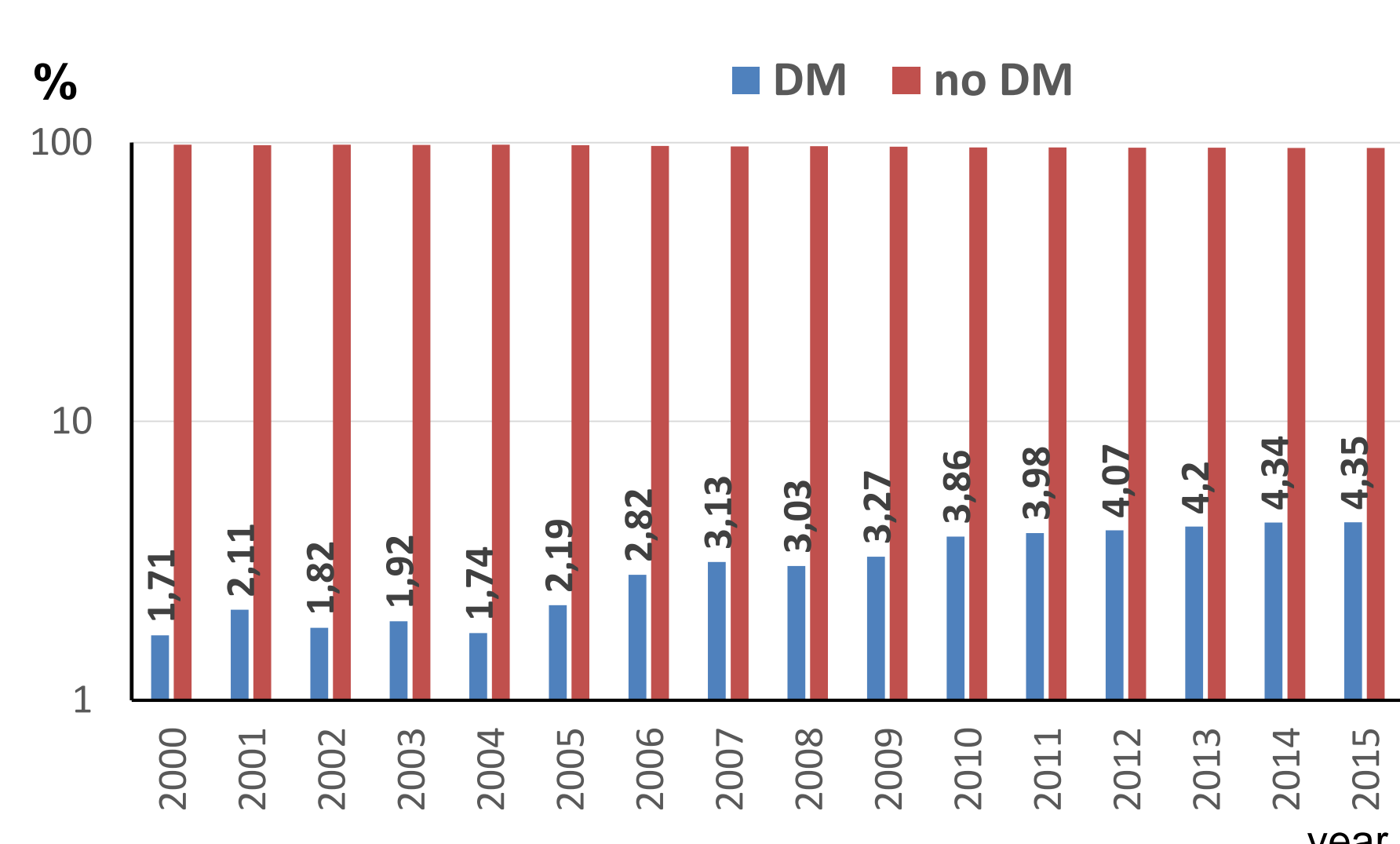


Surveillance - Infobox

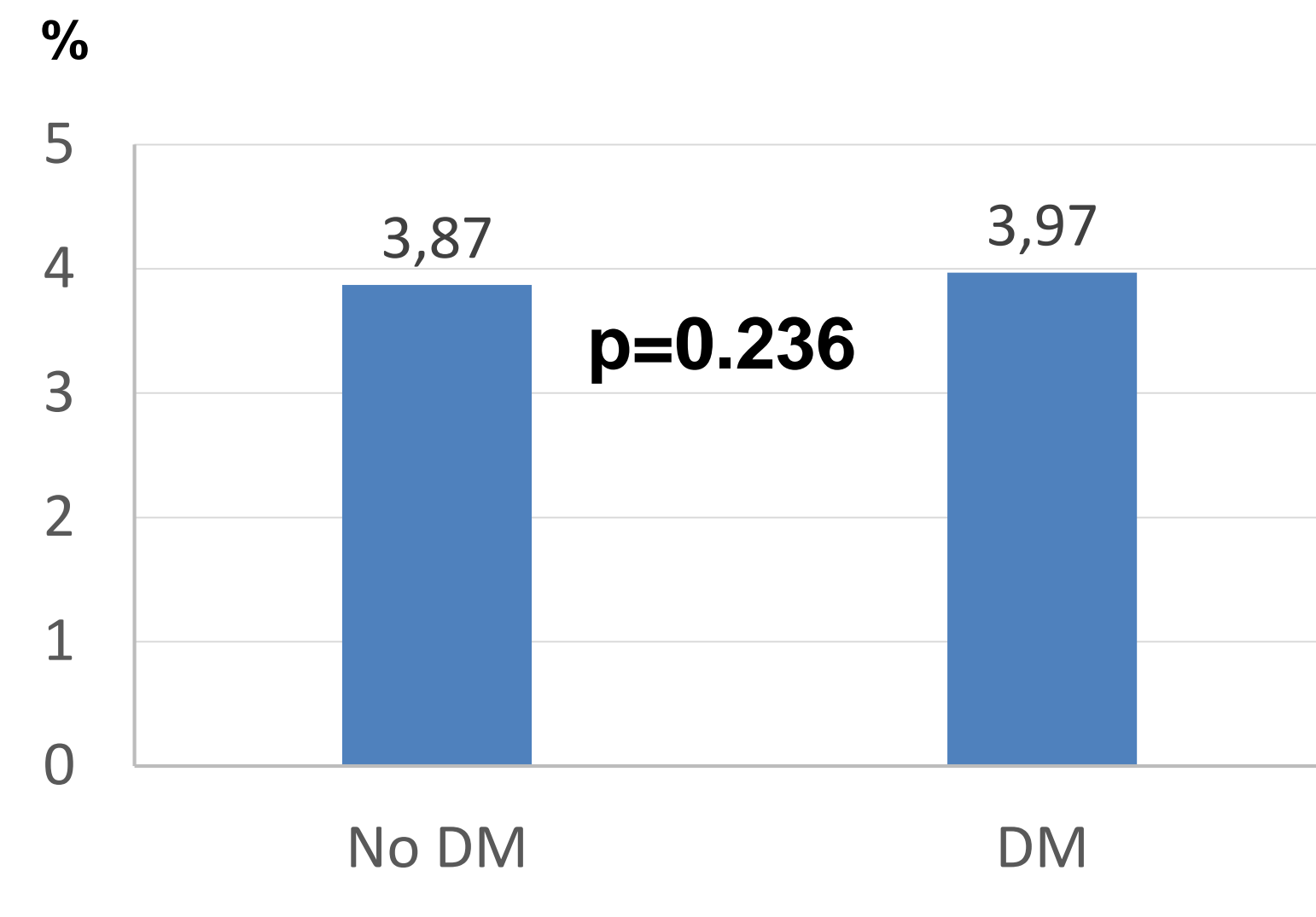
- 50+ years of history; the registry was founded in 1964.
- Population-wide coverage; reporting is compulsory.
- Data are stored in the State Institute of Health Information and Statistics (ÚZIS ČR)
- Multiple sources (geneticists, neonatologists, paediatricians, other specialists).
- Registry includes cases diagnosed in livebirths, stillbirths and prenatally diagnosed cases.
- Termination of pregnancy – legal (up to 24th GW)
- Main classification system: ICD-10 (national)

Methods

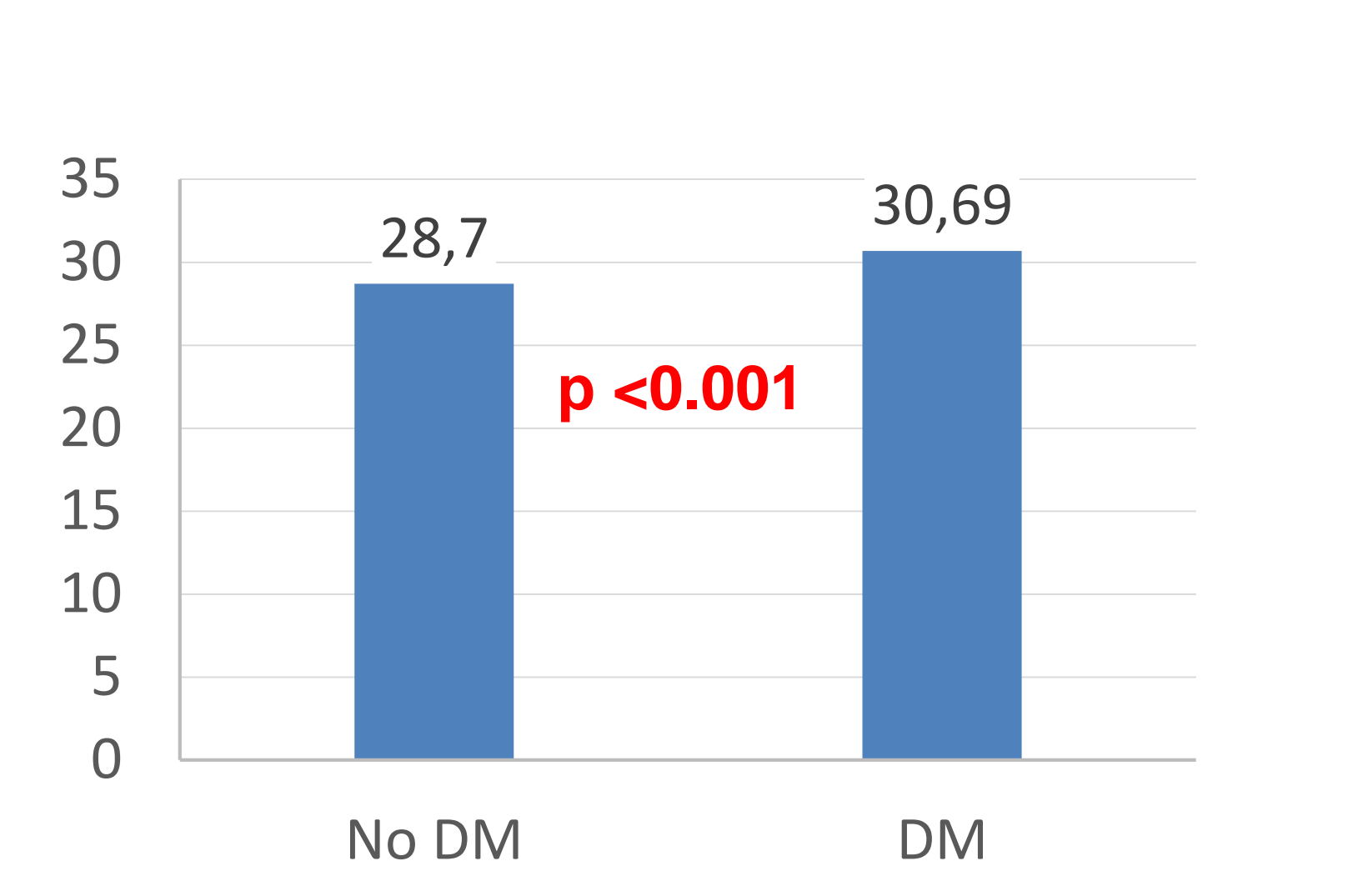
- Data source: National registry of Reproductive Health of the Czech Republic
- Live-births data: 2000 – 2015
- Congenital anomalies group: (Q00-Q99)
- Statistical anomalies were performed by Pearson's chi-square test and by logistic regression analysis.
- *p* values lower than 0.05 were considered statistically significant



Proportion of children born to the mothers with DM (Czech Republic, 2000-2015)

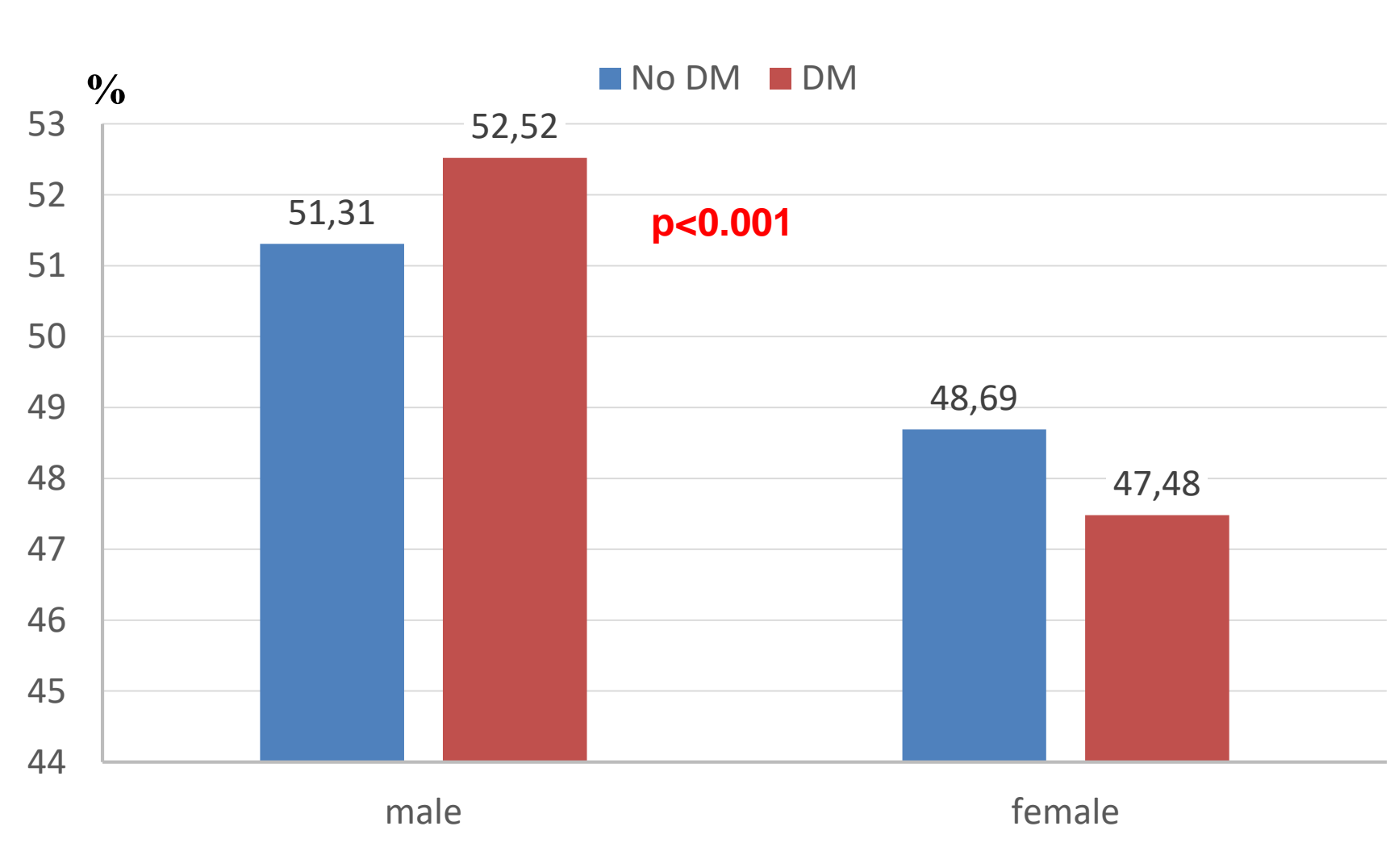
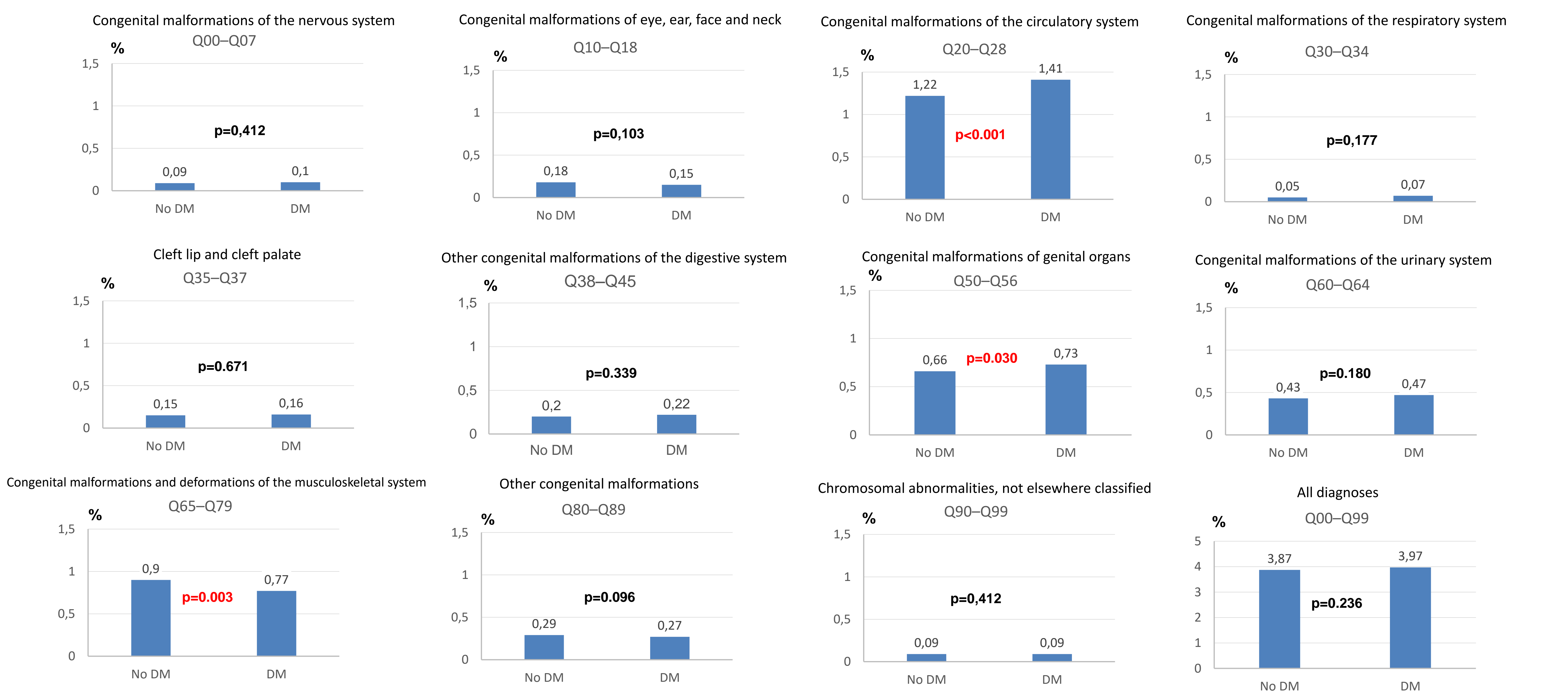


Proportion of children with congenital anomalies born in the group of DM-mothers and No-DM-mothers (Czech Republic, 2000-2015)

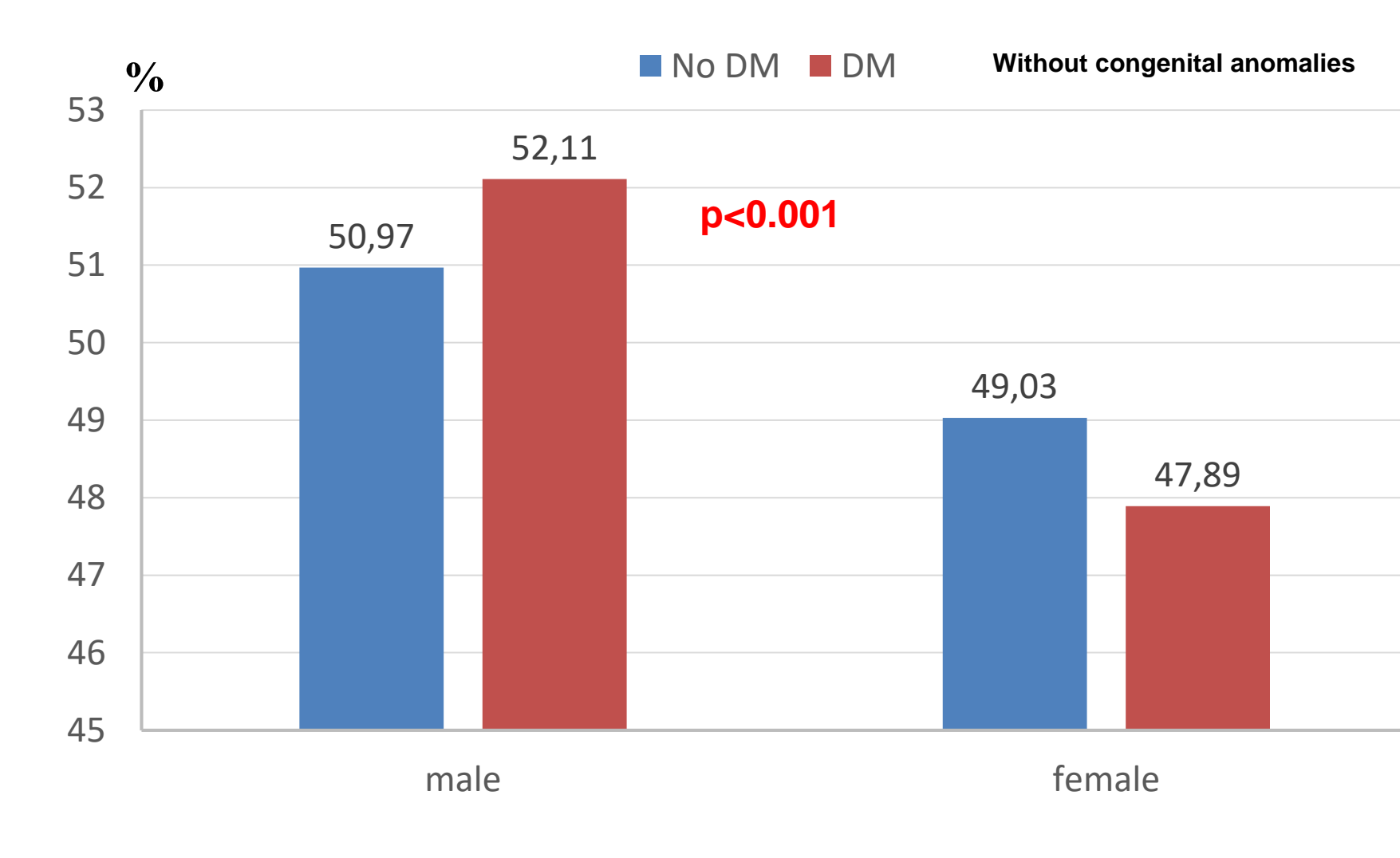


Average maternal age in the group of No-DM-mothers and DM-mothers (Czech Republic, 2000-2015)

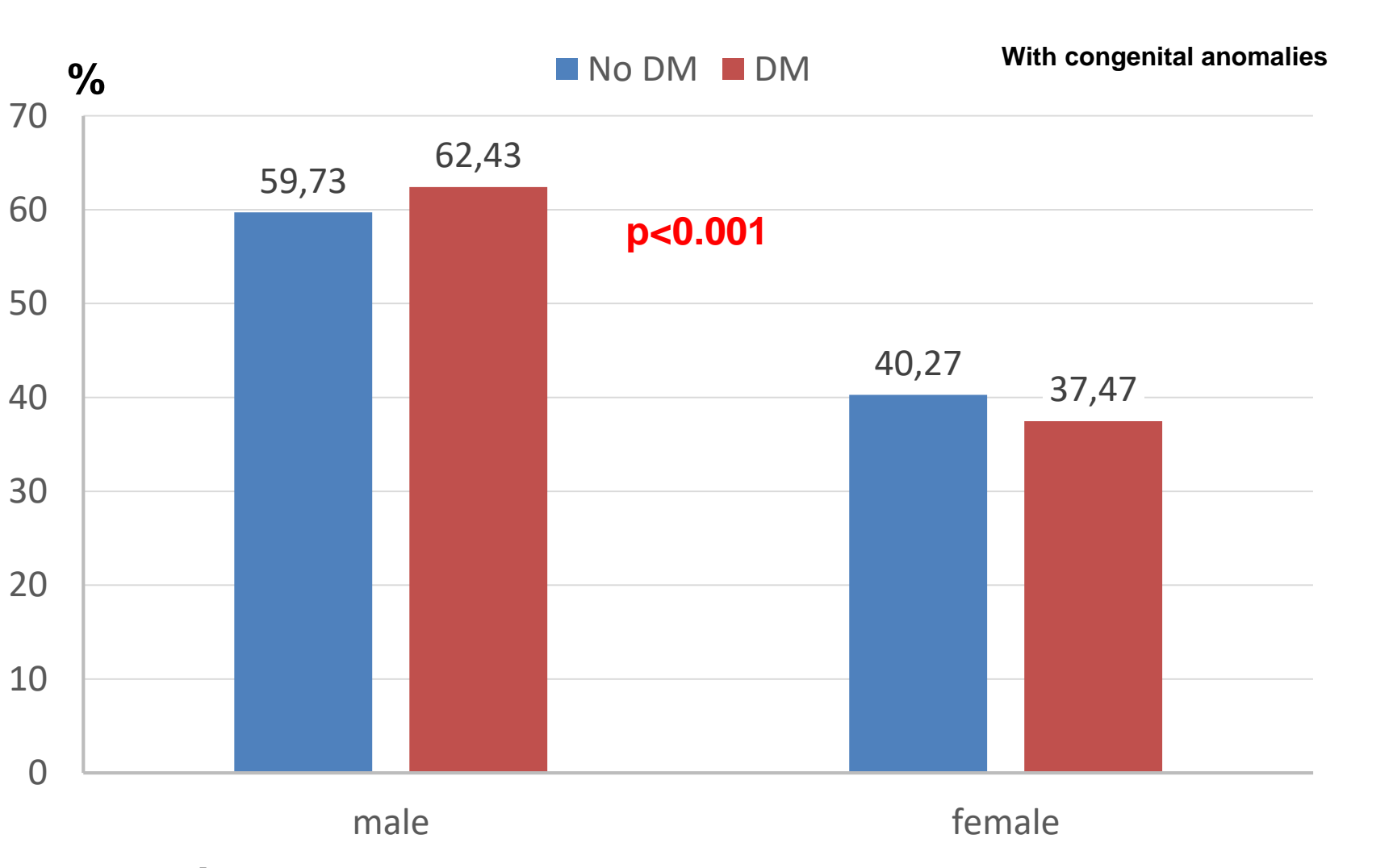
Incidence of selected groups of congenital anomalies in the No-DM and DM-group (Czech Republic, 2000-2015)



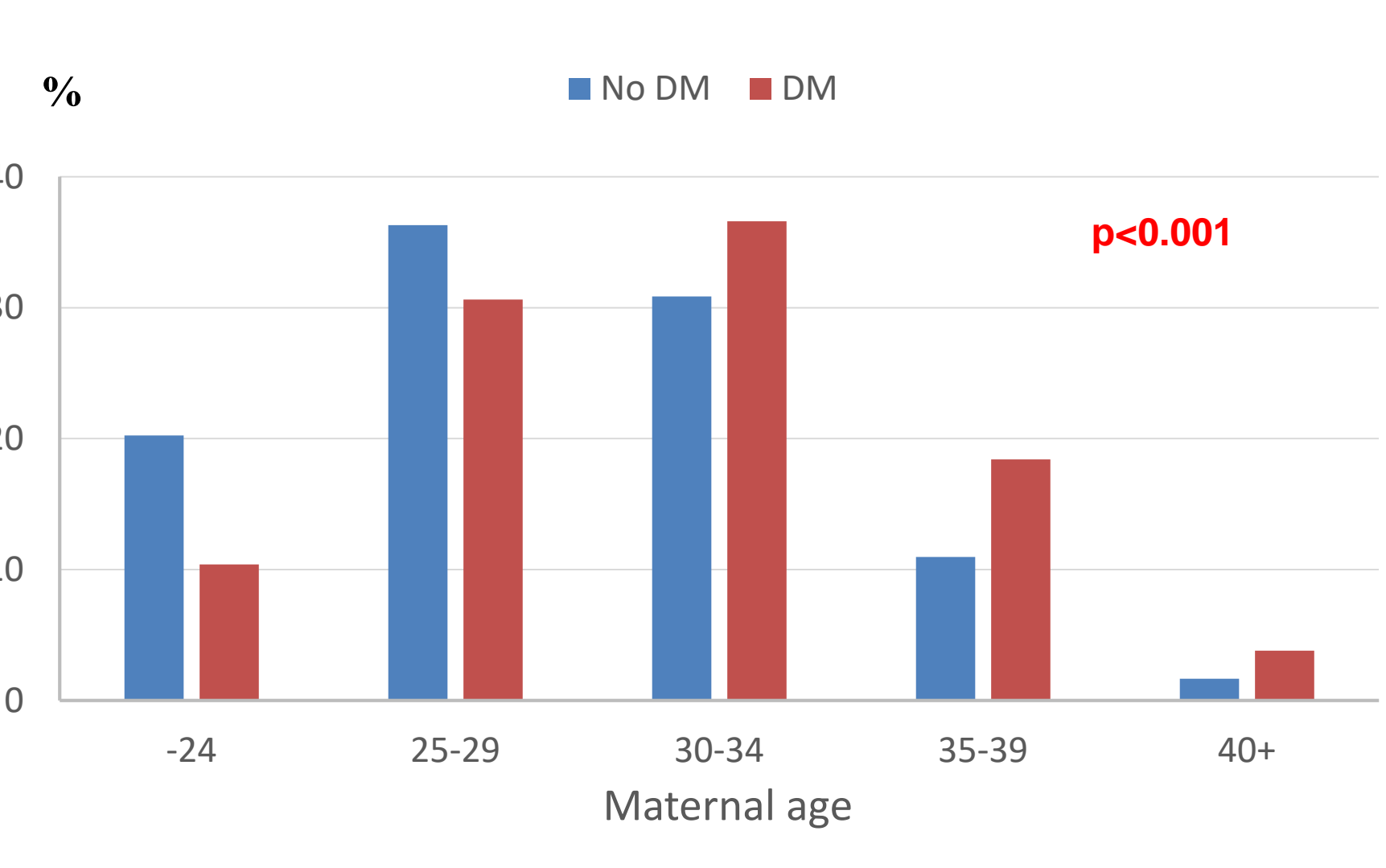
Male/Female ratio in DM-group and No-DM group. All children. (Czech Republic, 2000-2015)



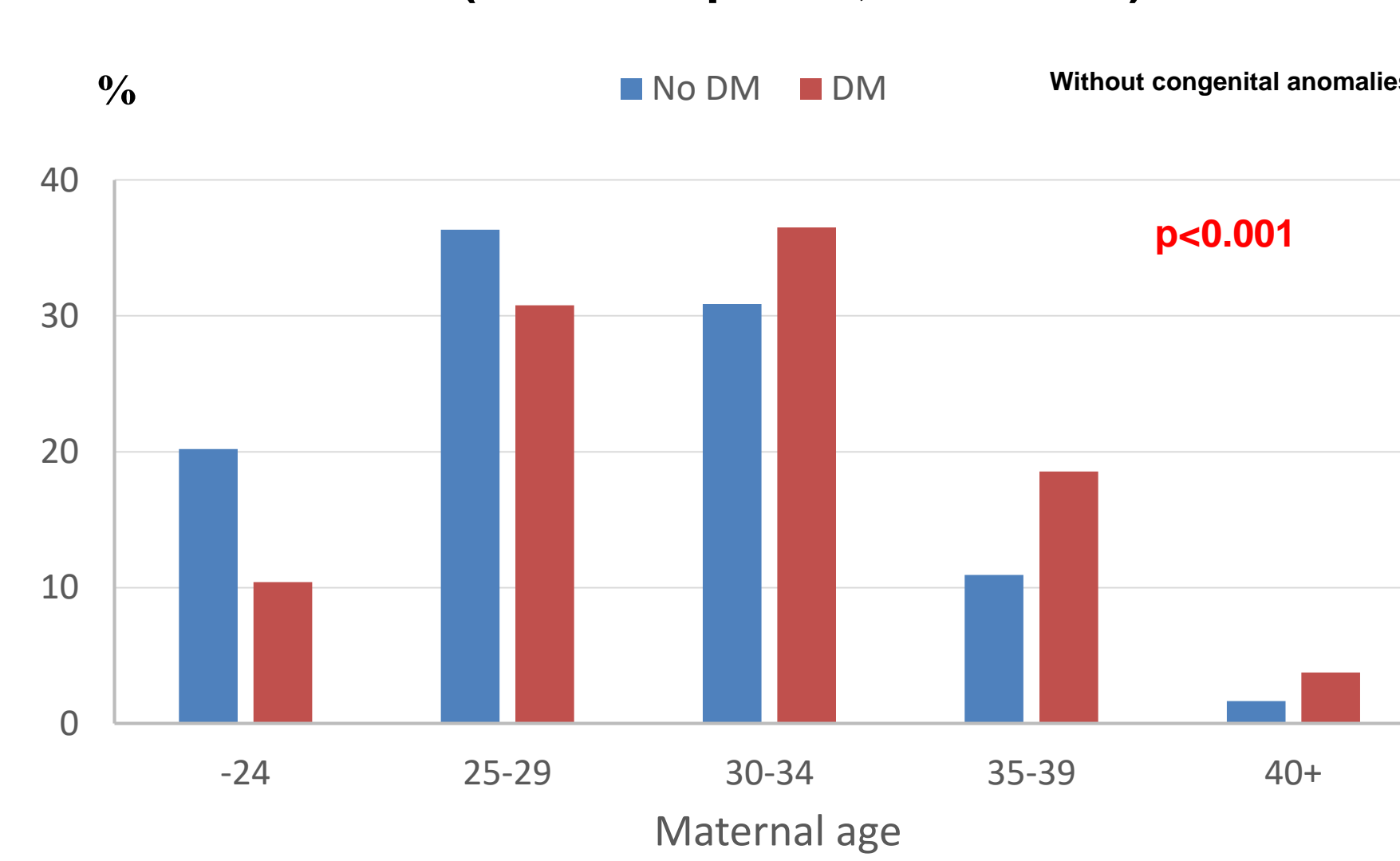
Male/Female ratio in DM-group and No-DM group. Children without congenital anomalies. (Czech Republic, 2000-2015)



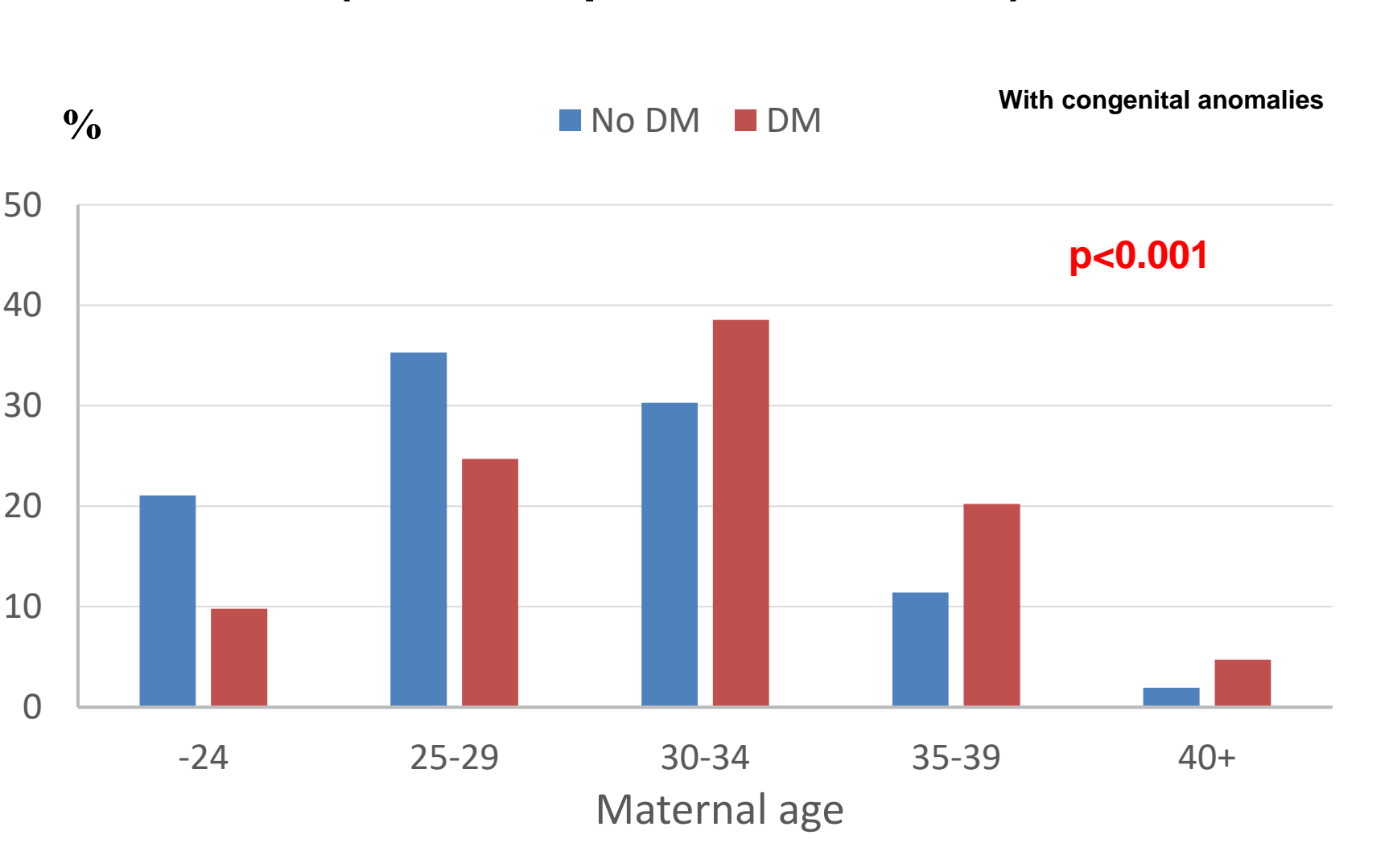
Male/Female ratio in DM-group and No-DM group. Children with congenital anomalies. (Czech Republic, 2000-2015)



Maternal age distribution in DM group and No-DM group. All children. (Czech Republic, 2000-2015)



Maternal age distribution in DM group and No-DM group. Children without congenital anomalies. (Czech Republic, 2000-2015)



Maternal age distribution in DM group and No-DM group. Children with congenital anomalies. (Czech Republic, 2000-2015)