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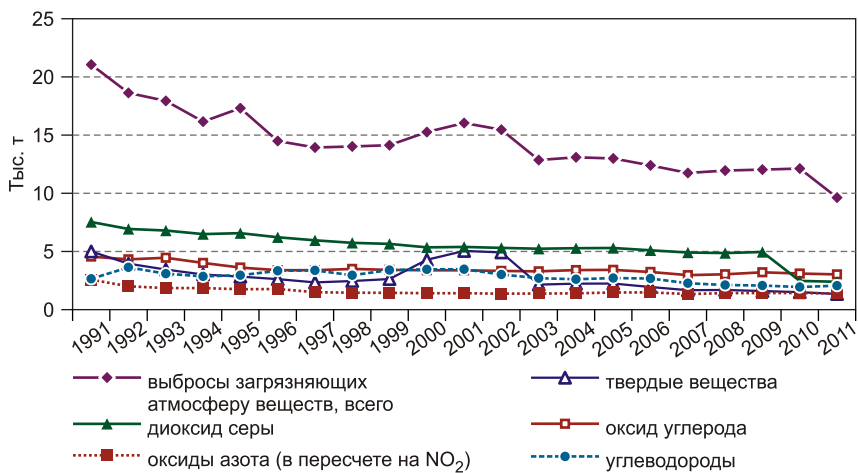


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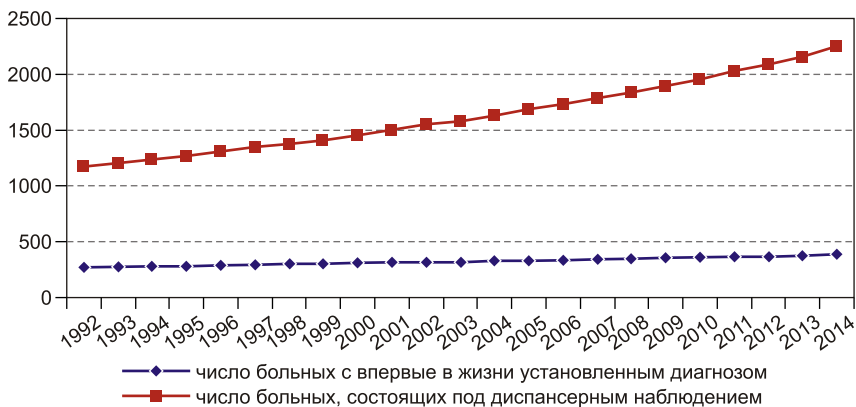
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Log of NO ₂	0,024 (0,950)	0,354 (0,662)	0,795 (0,704)
Log of air pollution	-6,820*** (1,900)	-0,883 (0,953)	-0,280 (0,978)
Log of sulfur dioxide	4,838*** (0,693)	1,584*** (0,412)	1,415*** (0,426)
Log of carbon oxides	-0,726 (1,147)	-1,113 (0,763)	-1,201 (0,793)
Log of hydrocarbon	0,361 (0,548)	0,019 (0,265)	-0,057 (0,270)
Year = 2004 (base)			
Year = 2005	9,647** (3,850)	7,247*** (0,994)	7,064*** (0,992)
Year = 2006	15,994*** (3,807)	13,886*** (0,998)	13,690*** (0,996)
Year = 2007	22,038*** (3,719)	18,450*** (0,989)	18,301*** (0,988)
Year = 2008	35,934*** (3,703)	28,957*** (0,994)	28,698*** (0,994)
Year = 2009	43,683*** (3,718)	37,646*** (1,007)	37,397*** (1,008)
Year = 2010	51,333*** (3,686)	46,430*** (1,016)	46,245*** (1,018)
Year = 2011	55,002*** (3,682)	49,383*** (1,031)	49,132*** (1,035)
Constant	338,473*** (5,283)	327,671*** (3,079)	327,738*** (2,286)
Observations	3704	3704	3704
Groups		709	709
Adj. R ²	0,113		
R ² within		0,597	0,597
R ² between		0,098	0,091
R ² overall		0,106	0,102
F-st.	40,4***		368,7***

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Region: Economics & Sociology, 2018, No. 2 (98), p. 216–240

A.V. Aistov, E.A. Aleksandrova

POPULATION HEALTH AND ENVIRONMENTAL POLLUTION: REGIONAL ASPECTS

The article reviews the normative documents regulating the environmental load in the Russian Federation, provides a summary on the contamination, analyzes the dynamics of pollutant air emissions and cancerous diseases in Russia, identifies populated areas with high and low pollutant air emissions. The study is complete with a regression analysis showing that the increase in sulfur dioxide emissions is an acceptable indicator of the malignant neoplasms risk assessment.

Keywords: environmental pollution; malignant neoplasms; sulphur dioxide; regional economy

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Evaluation Technology» supported by NRU HSE, Saint Petersburg in 2018*

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