

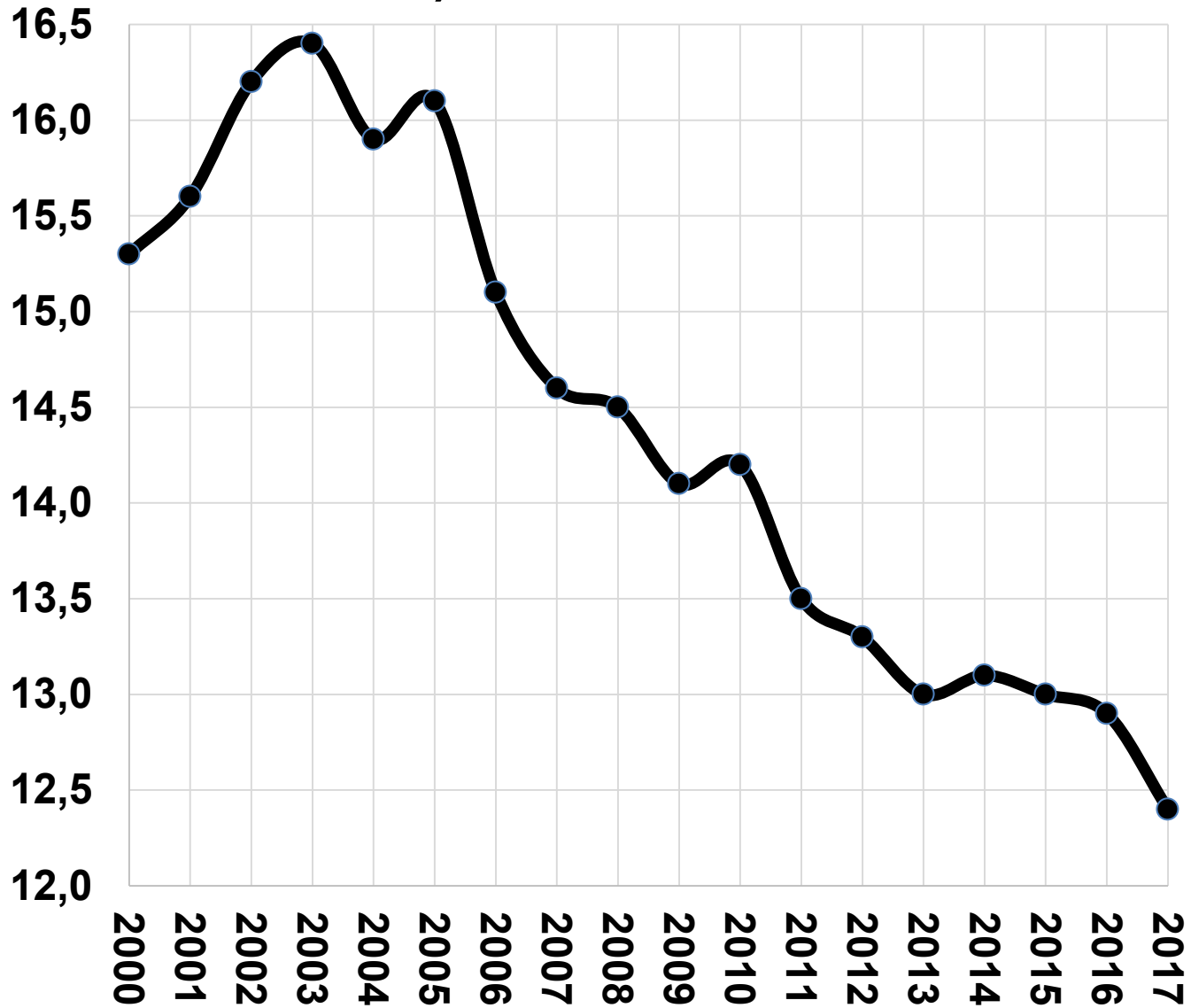


ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ УЧРЕЖДЕНИЕ
ЦЕНТРАЛЬНЫЙ НИИ ОРГАНИЗАЦИИ И
ИНФОРМАТИЗАЦИИ ЗДРАВООХРАНЕНИЯ
МИНИСТЕРСТВА ЗДРАВООХРАНЕНИЯ РОССИЙСКОЙ ФЕДЕРАЦИИ

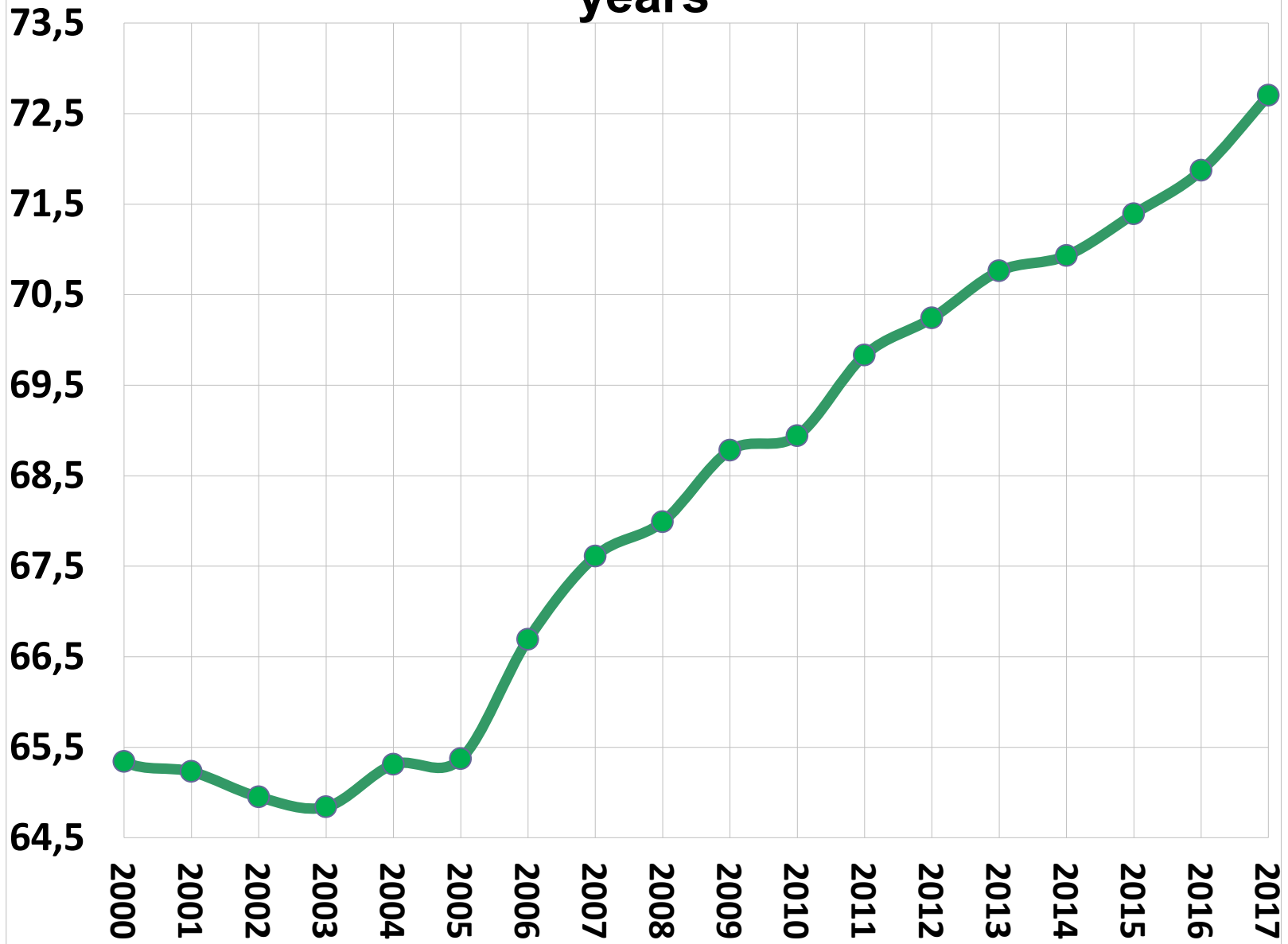
**POTENTIAL OF ALCOHOL POLICY
TO REDUCE MORTALITY IN
THE RUSSIAN FEDERATION:
Mathematical Modeling**

Andrey Korotayev

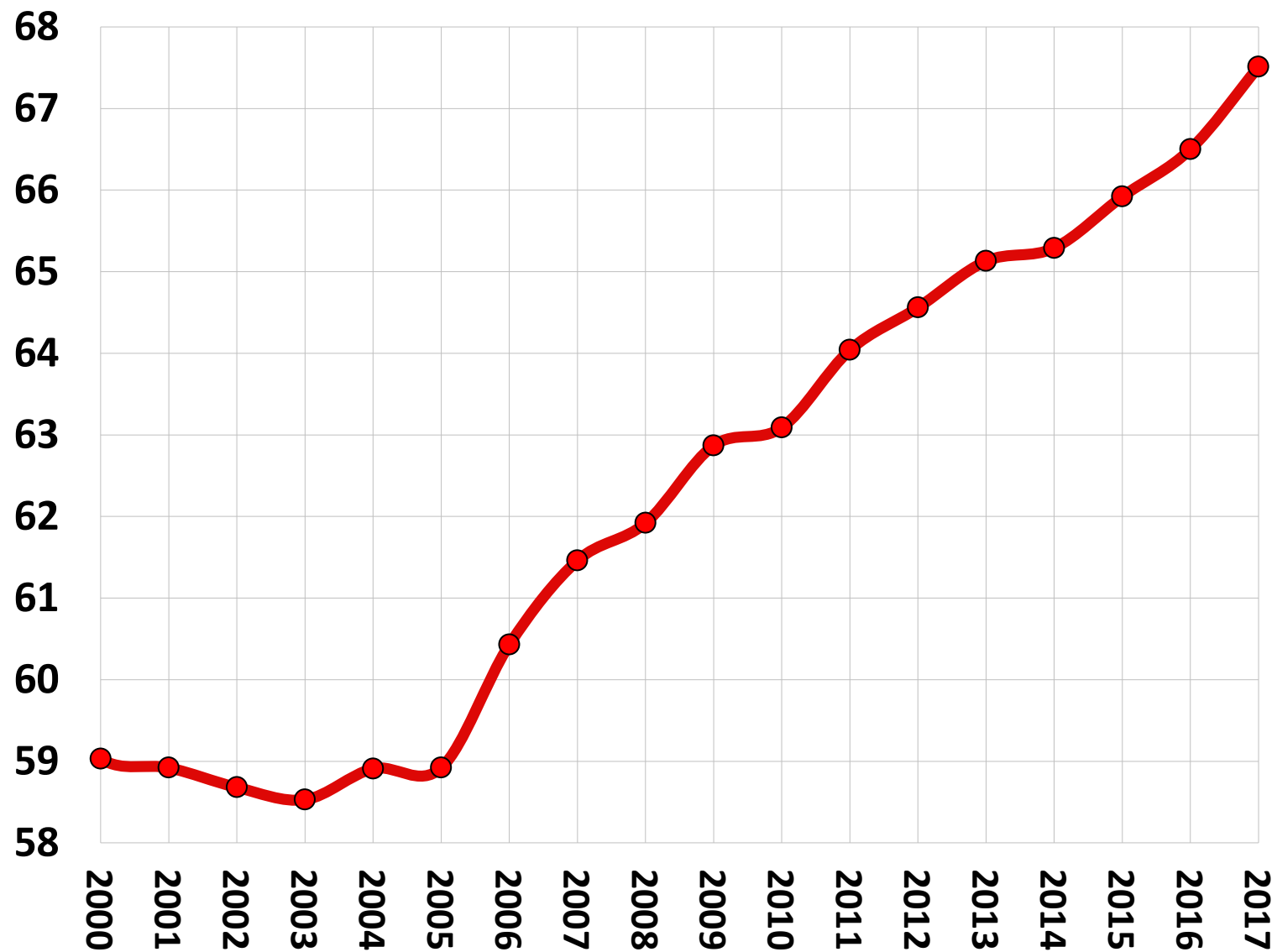
Crude death rate dynamics (per thousand) in Russia, 2000-2017



Life expectancy dynamics in Russia, years

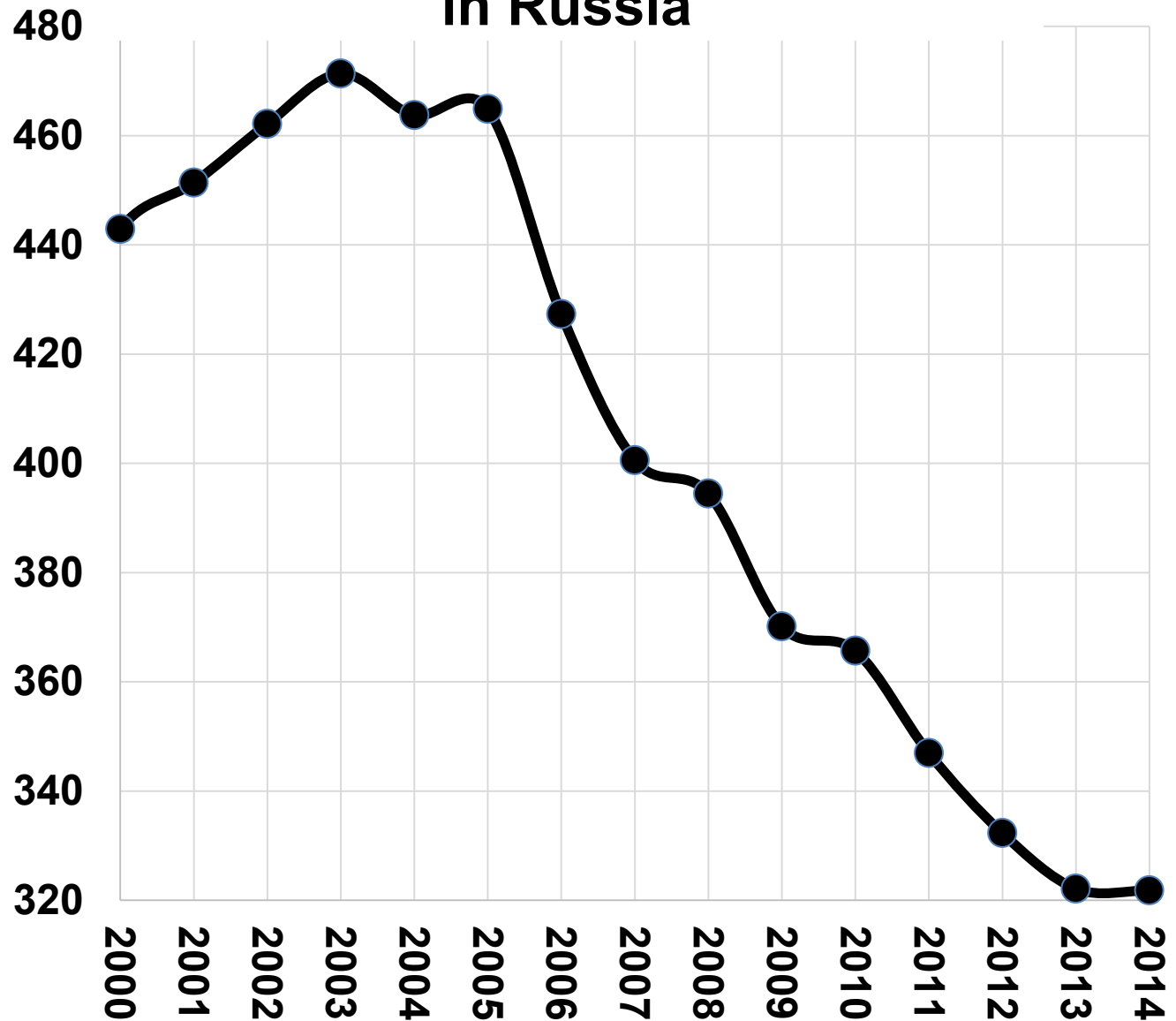


Male life expectancy dynamics in Russia, years

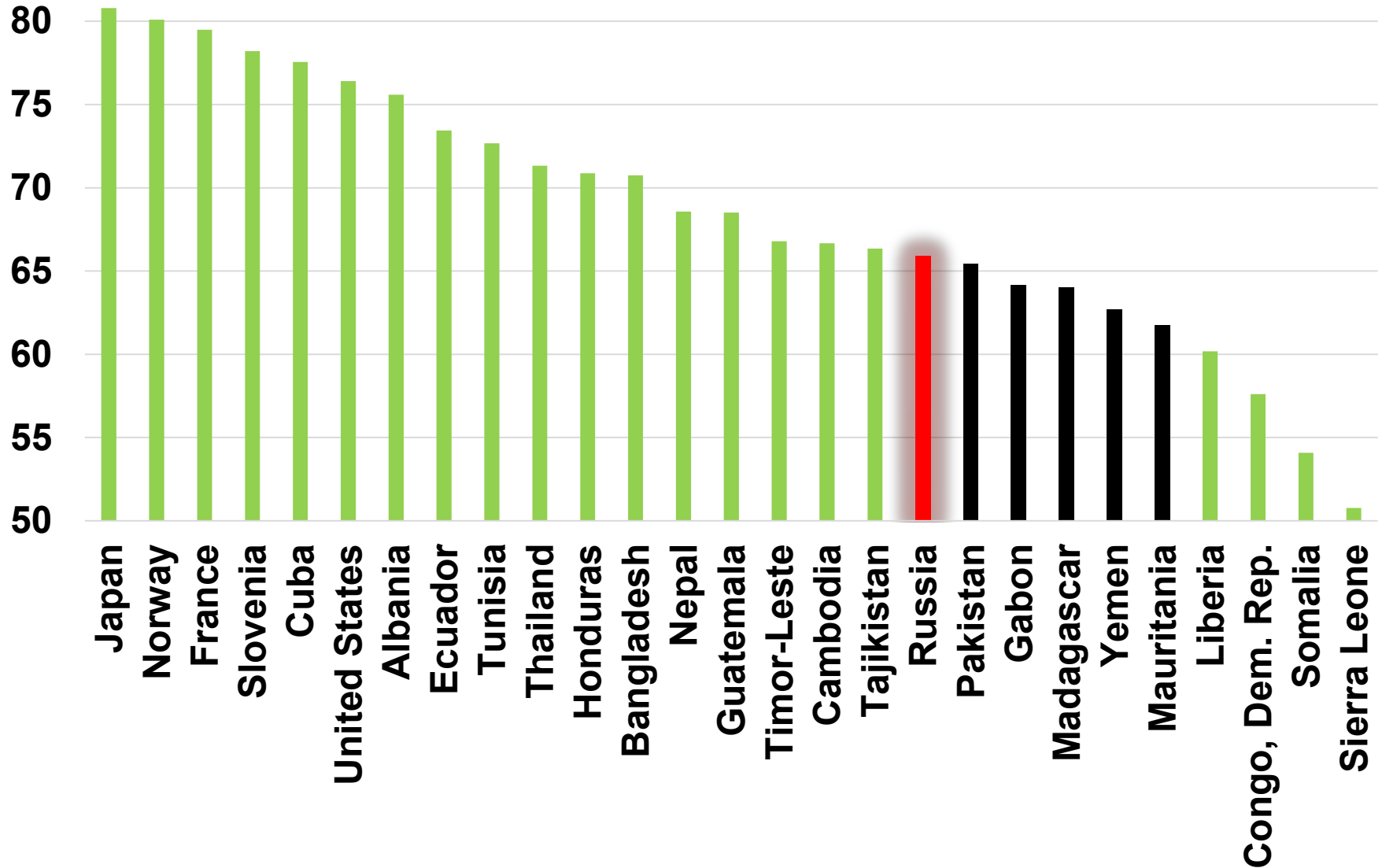


Adult mortality rate, male, is the probability of dying between the ages of 15 and 60-- that is, the probability of a 15-year-old male dying before reaching age 60, if subject to age-specific mortality rates of the specified year between those ages.

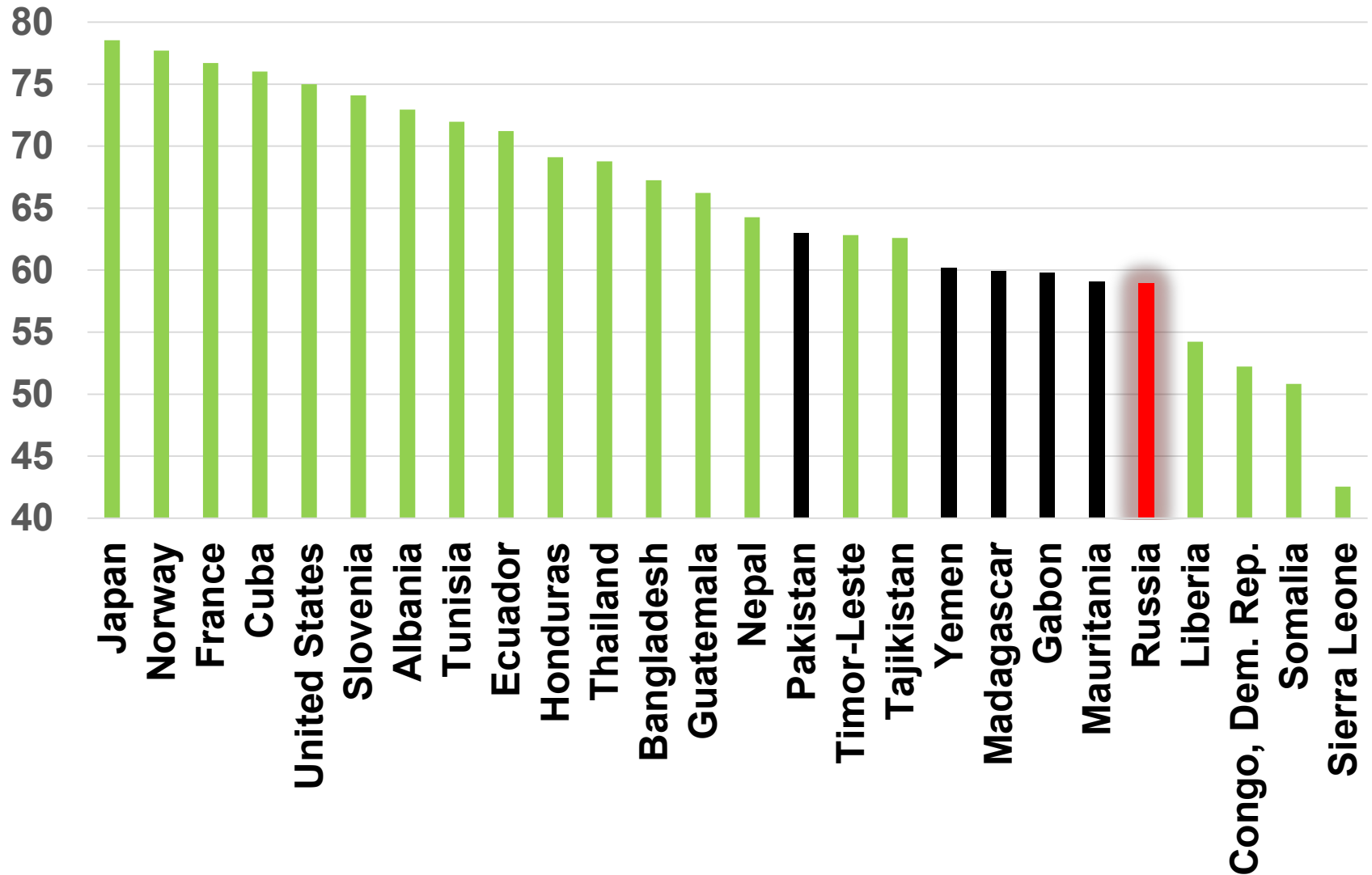
Adult male mortality rate dynamics in Russia



Male life expectancy at birth (years) in Russia and some other countries in 2015, the 141st place in the world



Male life expectancy at birth (years) in Russia and some other countries in 2005, the 156th place in the world



Male life expectancy, years

2005 (world = 66,99)

2015 (world = 69,61)

<i>Place</i>	<i>Country</i>	<i>Value</i>		<i>Place</i>	<i>Country</i>	<i>Value</i>
152	Yemen	60,2		137	Cambodia	66,7
153	Madagascar	59,9		138	Ukraine	66,4
154	Gabon	59,8		139	Tajikistan	66,3
155	Mauritania	59,1		140	Bolivia	66,3

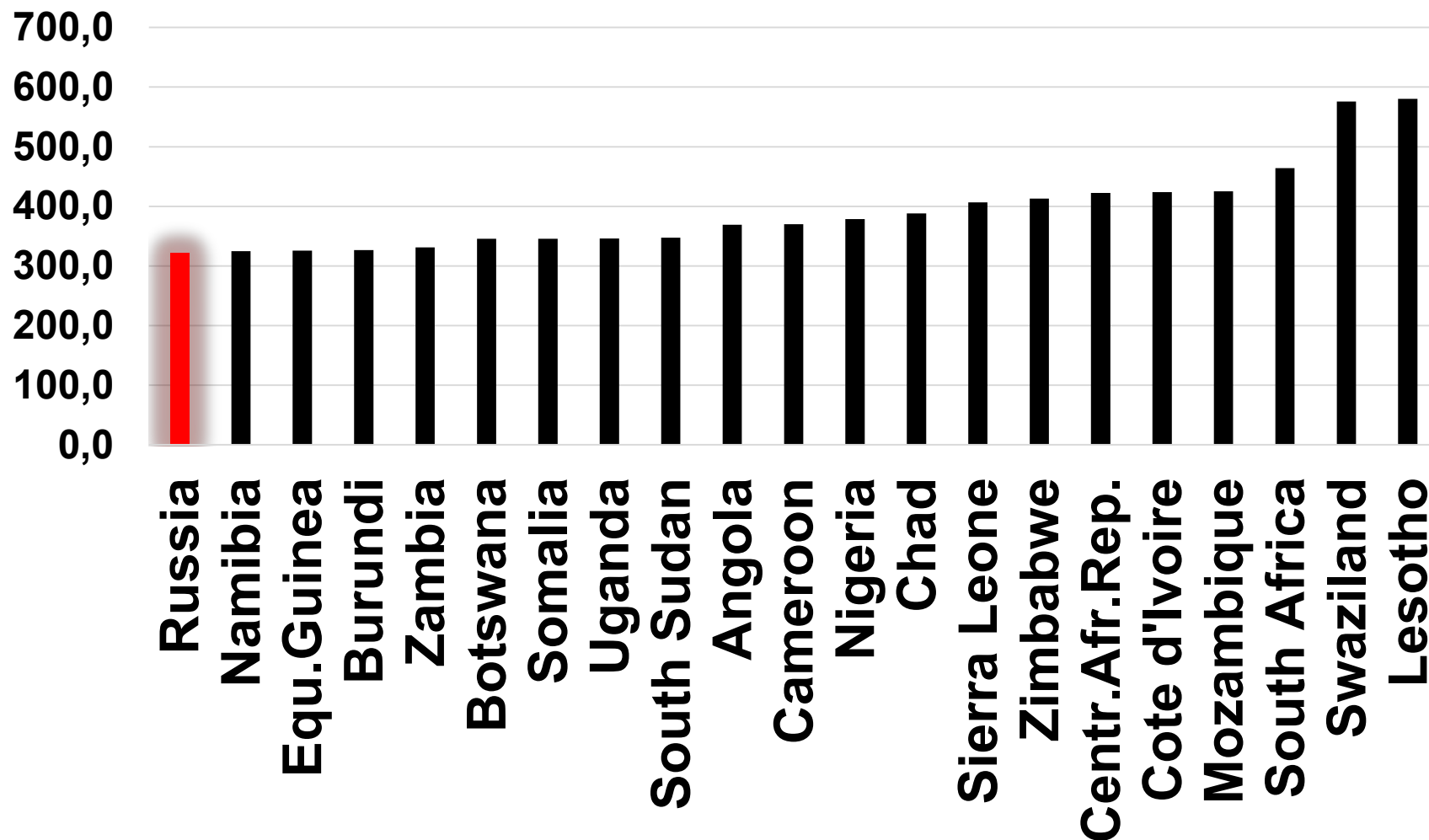
156 Russia 58,9

141 Russia 65,9

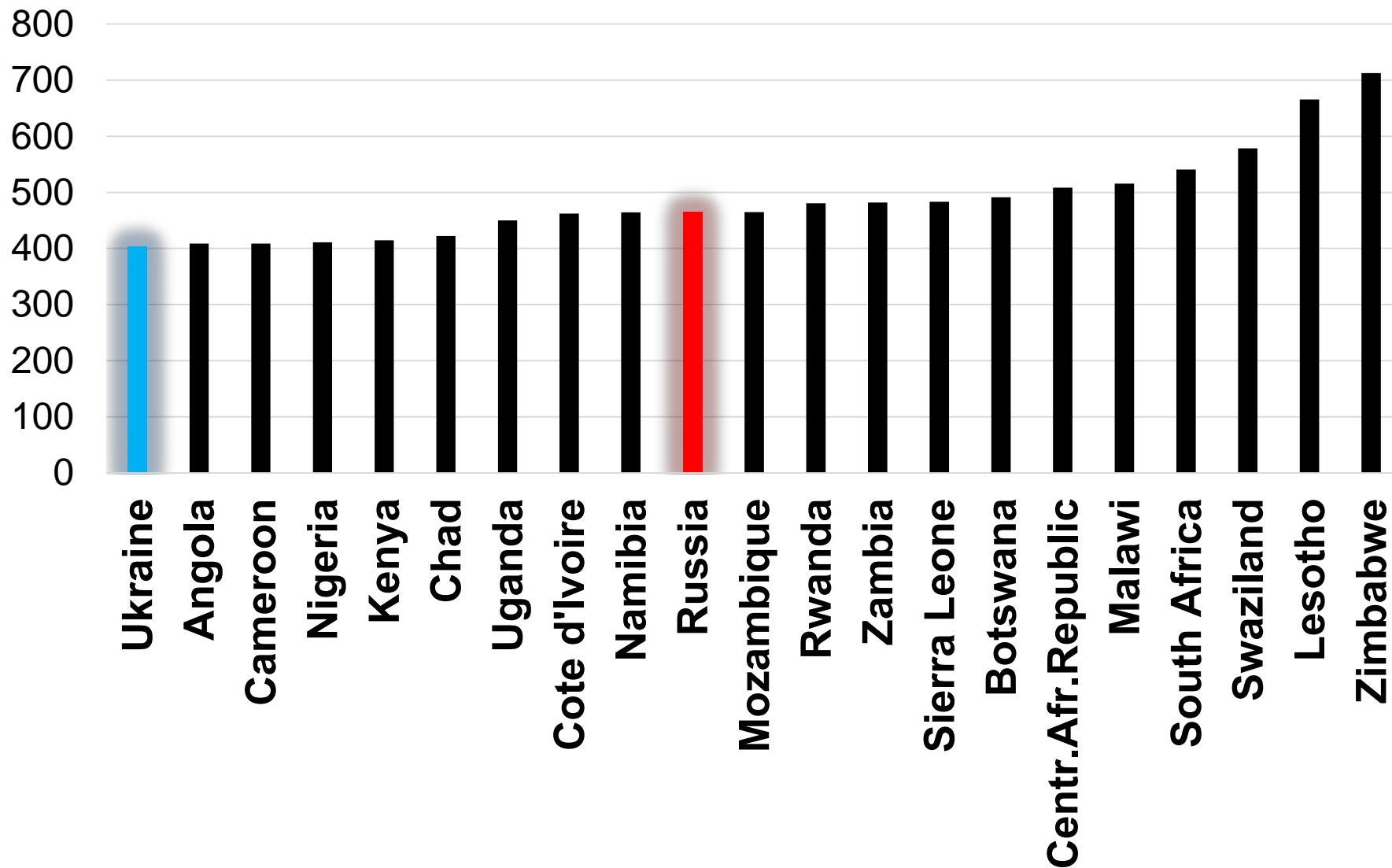
157	Senegal	58,9		142	Mongolia	65,6
158	Papua NG	58,6		143	Pakistan	65,4
159	Comoros	58,5		144	Laos	65,2
160	Sudan	58,1		145	Uzbekistan	65,1
161	Ghana	57,9		146	Philippines	65,0
162	Haiti	57,8		147	Senegal	64,9

Adult mortality rate, male, is the probability of dying between the ages of 15 and 60-- that is, the probability of a 15-year-old male dying before reaching age 60, if subject to age-specific mortality rates of the specified year between those ages.

**Countries with the highest adult male mortality rates in 2014,
the 175th place in the world**



Countries with the highest adult male mortality rates in 2005, the 185th place in the world



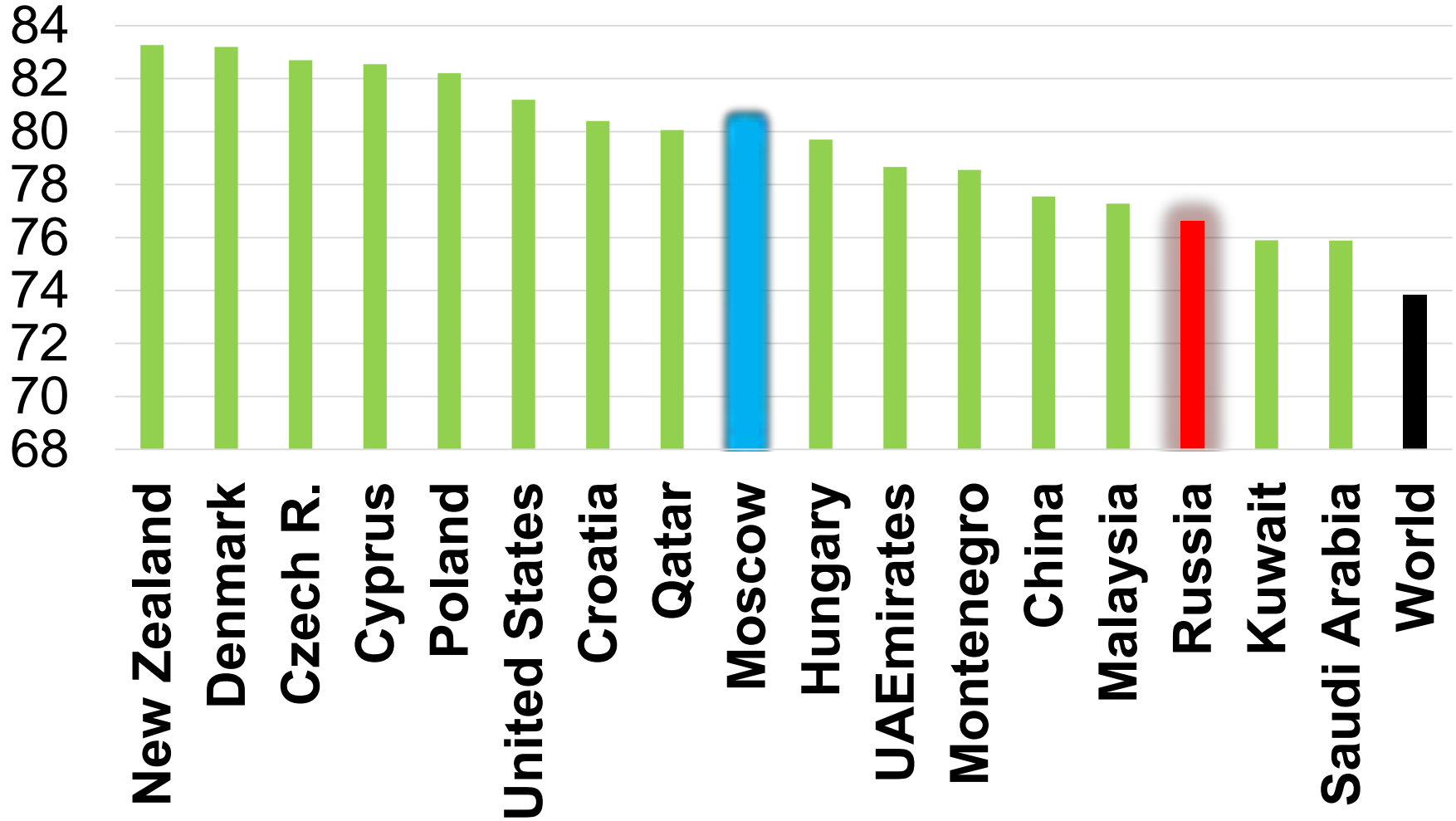
Global adult male mortality rate rating in 2014, positions 166–175

<i>Place</i>	<i>Country</i>	<i>Mortality rate</i>
166	Ukraine	292,1
167	Eritrea	295,4
168	Kenya	295,9
169	Rwanda	296,4
170	Turkmenistan	297,2
171	Mongolia	299,6
172	Kazakhstan	302,3
173	Guinea-Bissau	306,5
174	Papua New Guinea	313,2
175	Russia	321,8

Some countries of the world with adult male mortality rates lower than in Russia, 2014

<i>Place</i>	<i>Country</i>	<i>Mortality rate</i>
150	Liberia	269,2
154	Haiti	276,5
156	Burkina Faso	279,0
157	Malawi	279,4
159	Afghanistan	281,3
160	Syria	282,6
161	Guinea	284,6
164	Congo, Dem. Rep.	289,7
167	Eritrea	295,4
175	Russia	321,8

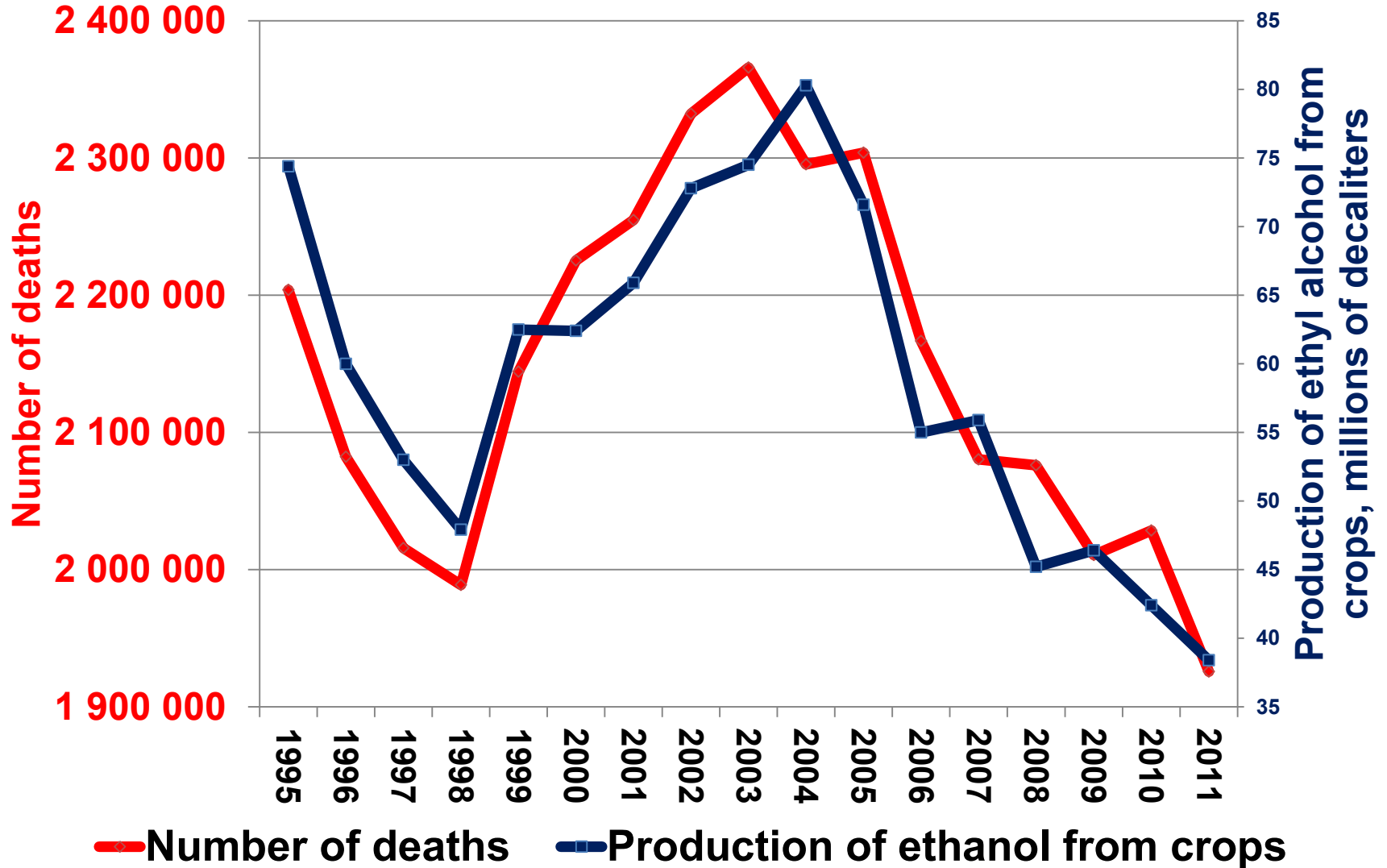
Female life expectancy at birth (years) in Russia and some other countries in 2015

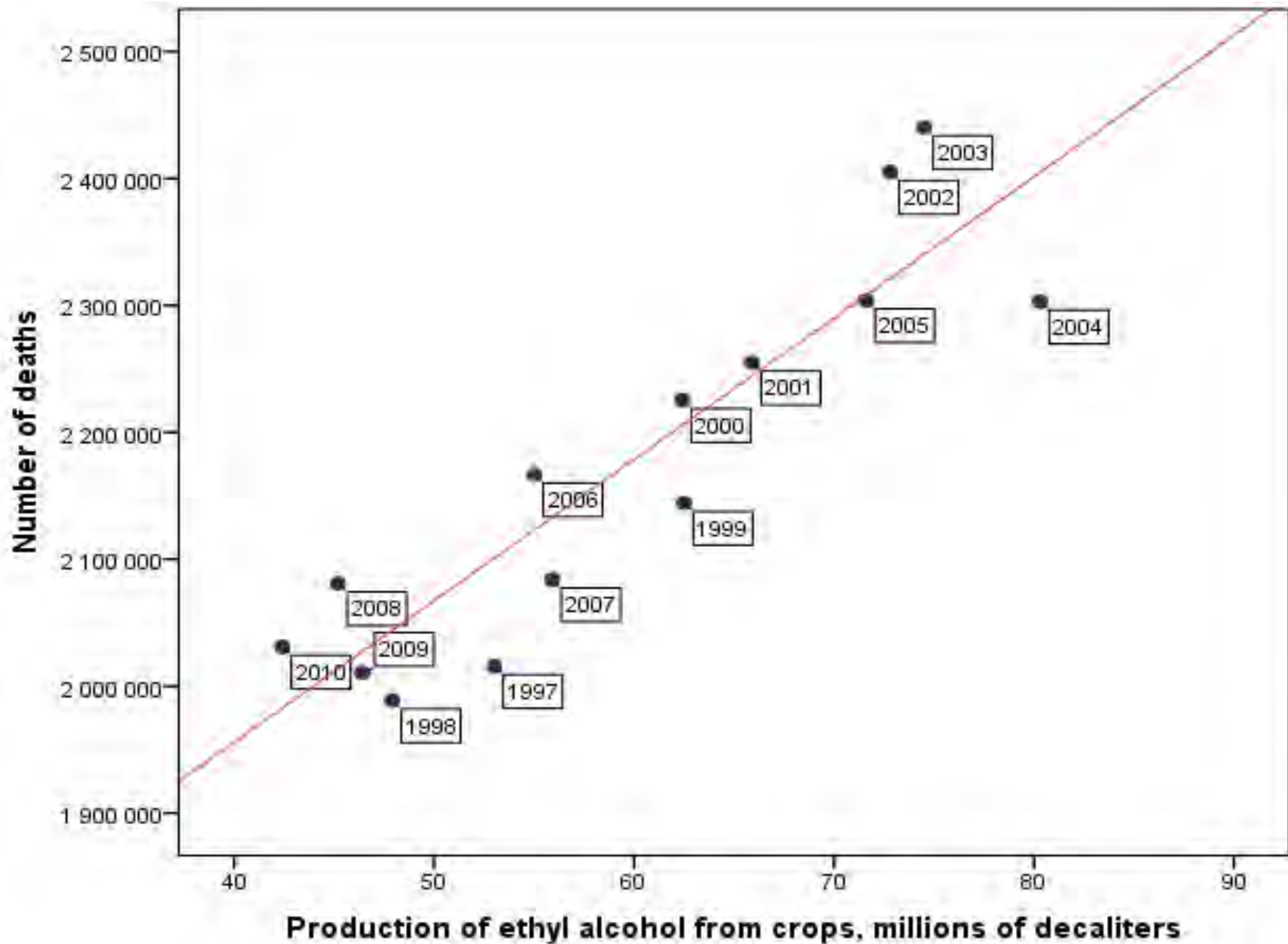


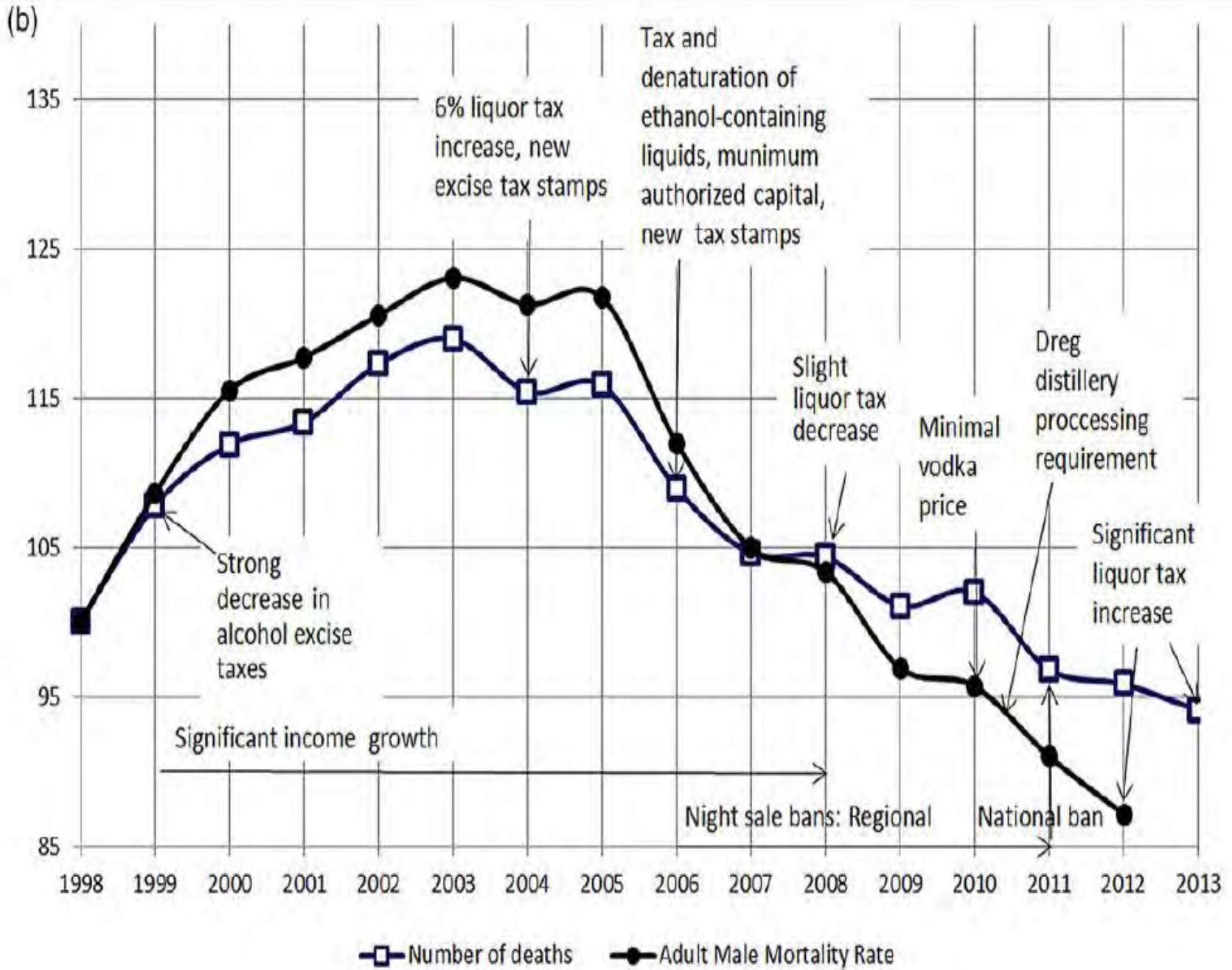
From infant mortality rate (per 1,000 live births) global rating, 2015

<i>Place</i>	<i>Country</i>	<i>Value</i>	<i>Place</i>	<i>Country</i>	<i>Value</i>
35	Canada	4,3	63	China	9,2
	St.Petersburg	4,4	124	Cambodia	24,6
38	New Zealand	4,7	132	Bolivia	30,6
44	United States	5,6		World	31,7
	Moscow	6	150	Tajikistan	38,5
49	Malaysia	6	166	Haiti	52,2
50	Russia	6,5	168	Liberia	52,8
51	Qatar	6,8	182	Afghanistan	66,3
52	Latvia	6,9	187	Congo,D.R.	74,5

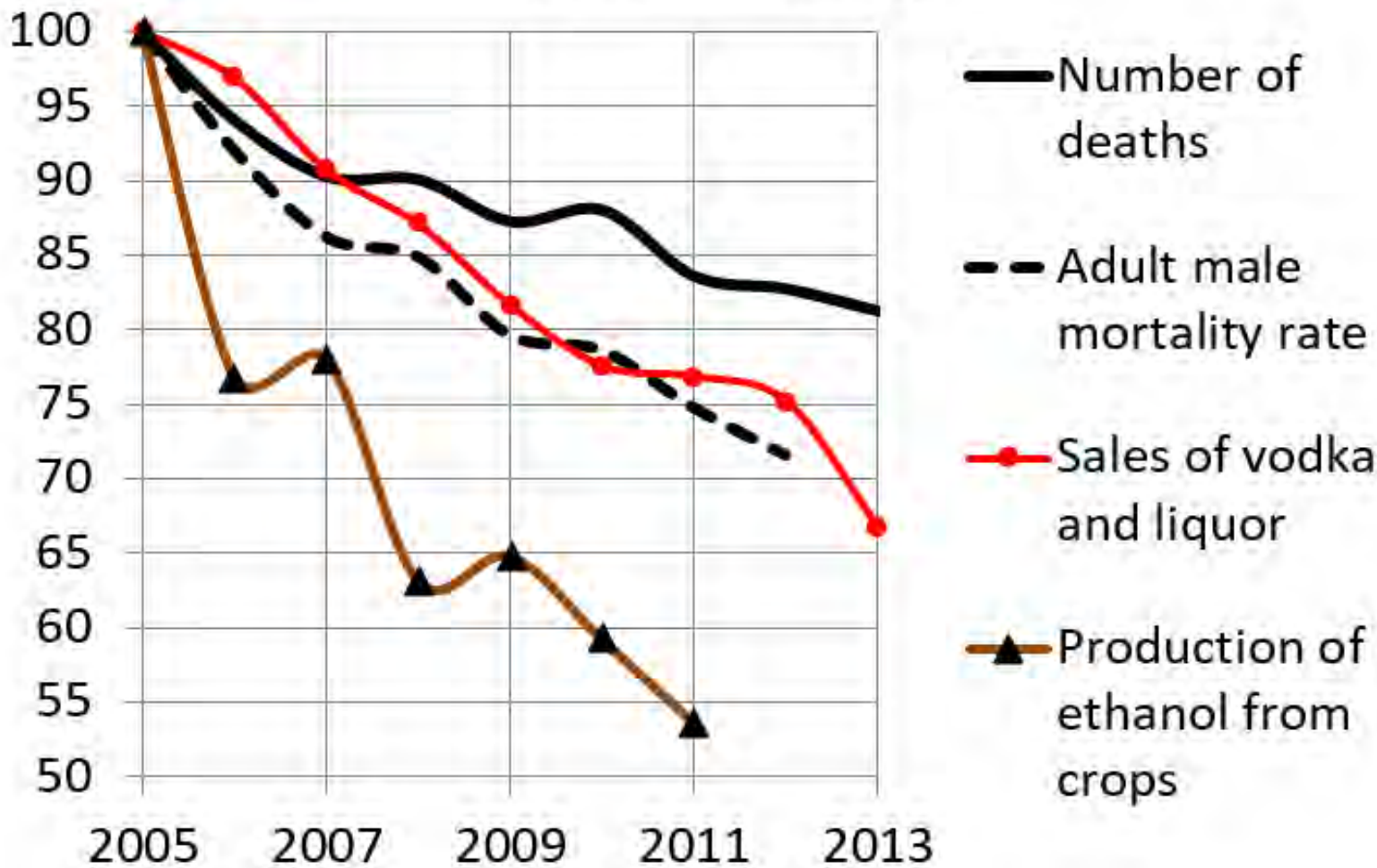
Production of ethyl alcohol from crops and number of deaths in Russia



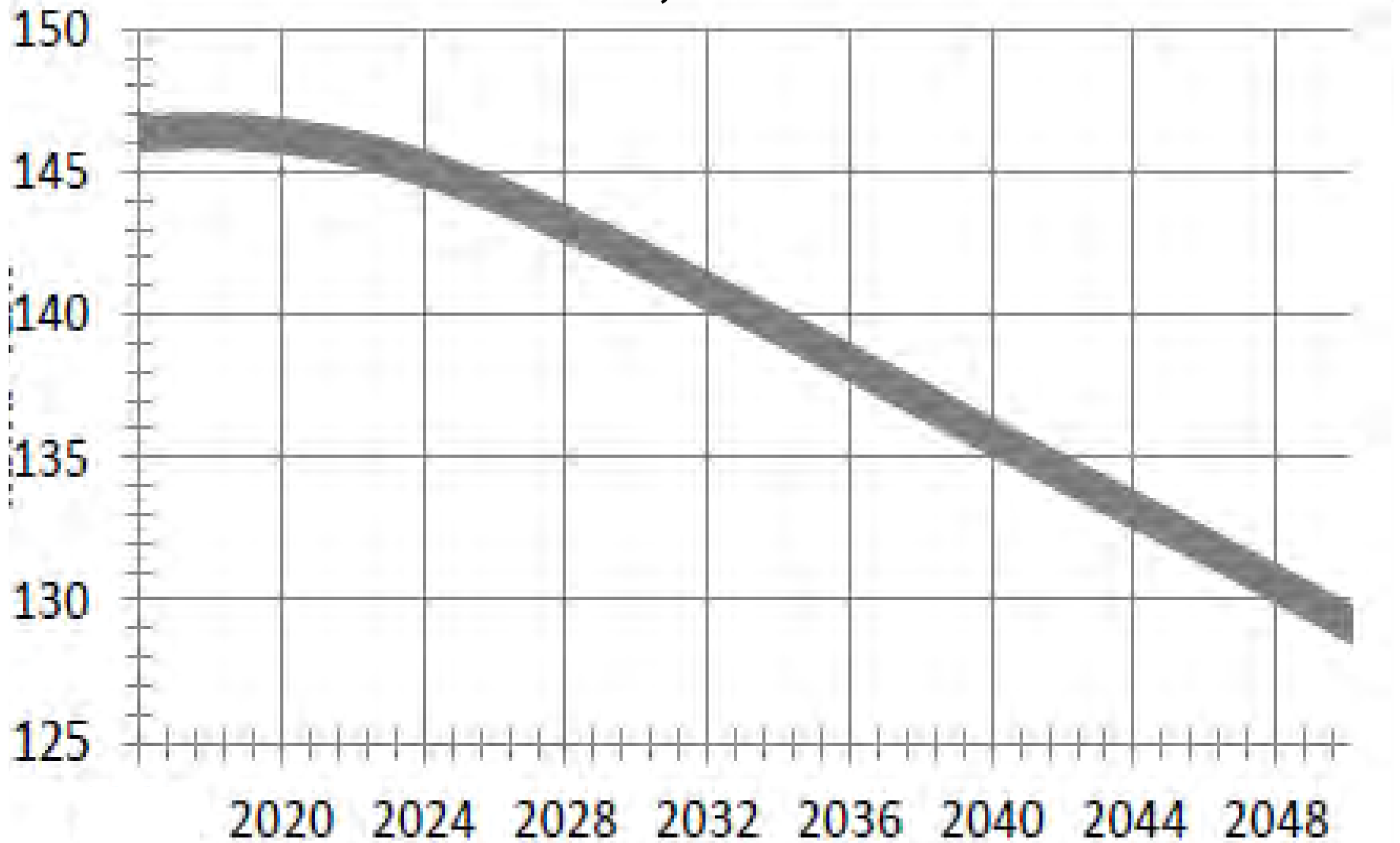




Relative dynamics of mortality, production of ethyl alcohol from food raw materials, and sales of alcoholic beverages in Russia after 2005 (100 = level of 2005)



Population of Russia, millions, inertial scenario, 2018-2100



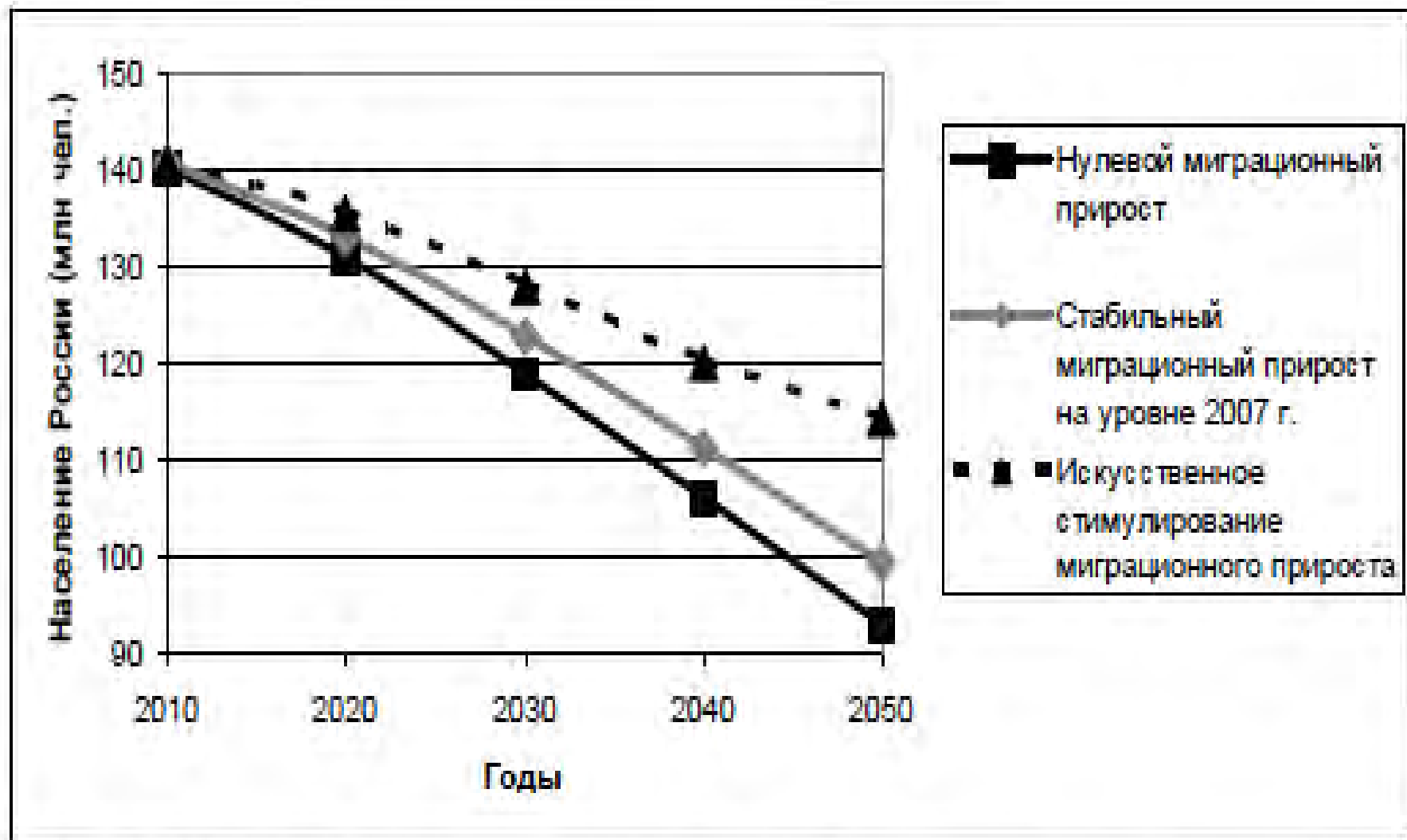
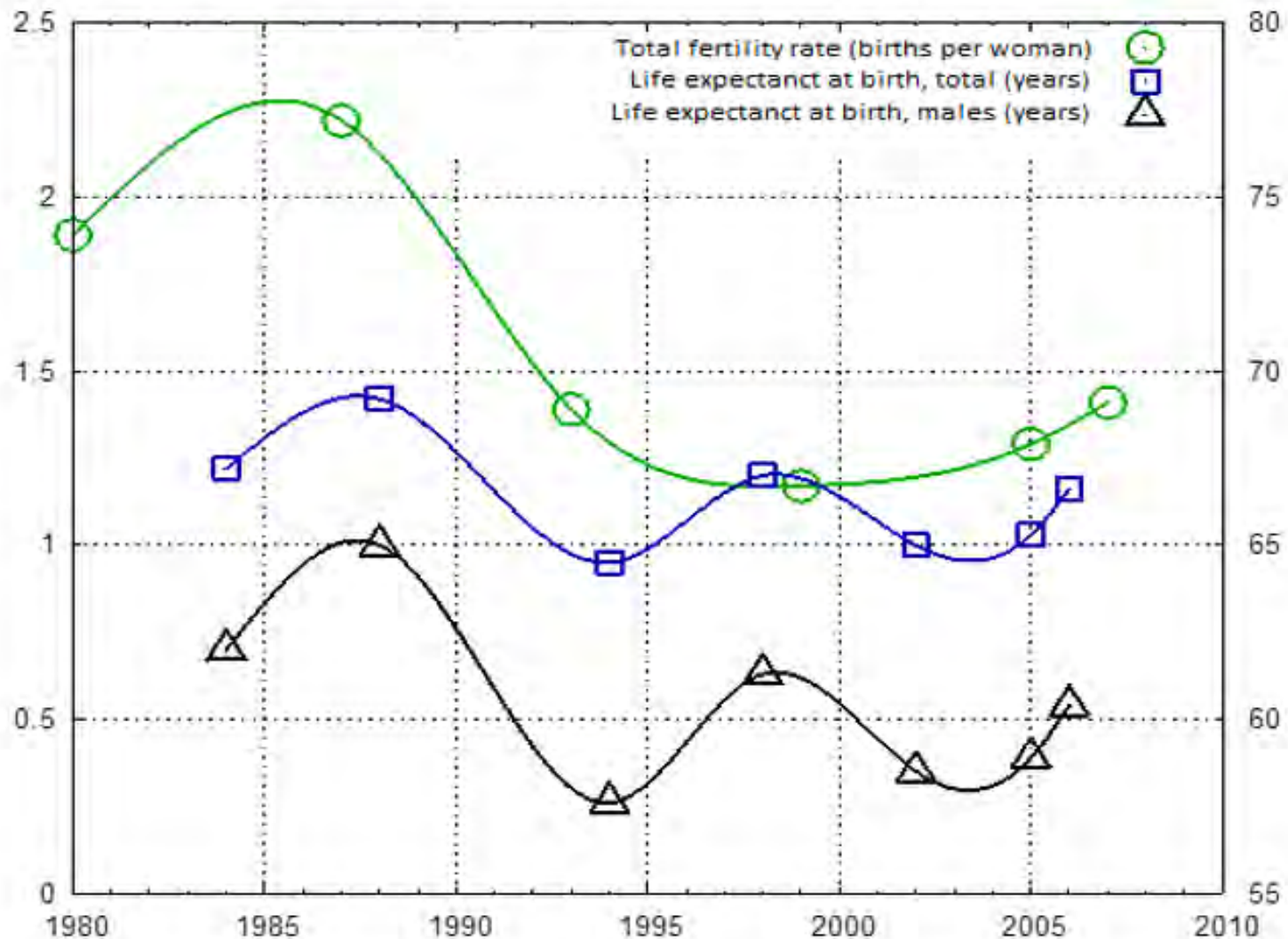


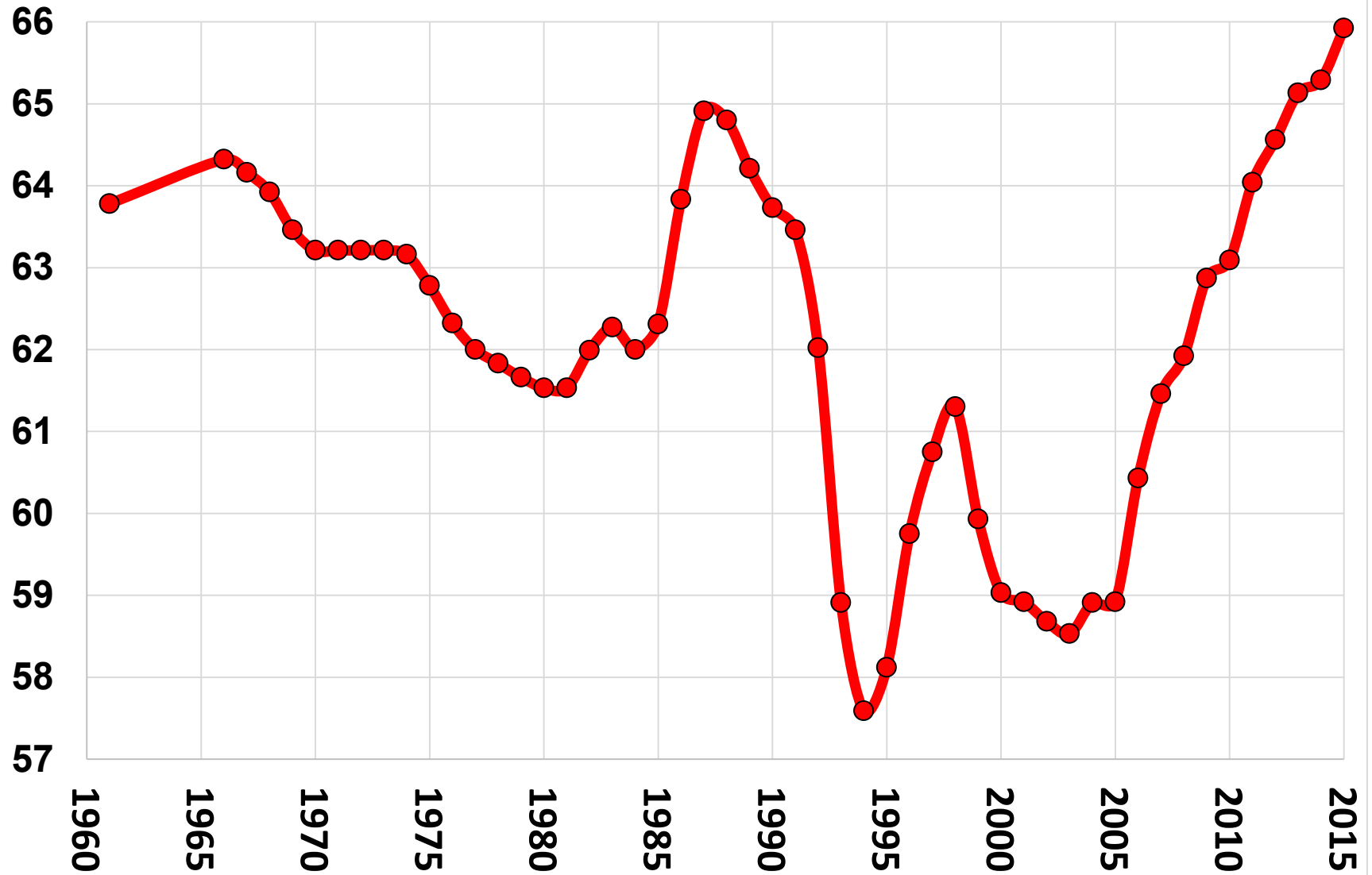
Рис. 3. Первый инерционный сценарий динамики численности населения России в 2010–2050 гг., млн чел.

Источник: Коротяев и др. 2010: 248.

Dynamics of total fertility rate (births per woman) and life expectancy in Russia. "Alcohol collapses" of the 1990s and early 2000s



Male life expectancy dynamics in Russia, years



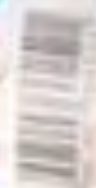


ЭТИЛОВЫЙ СПИРТ

Этанол

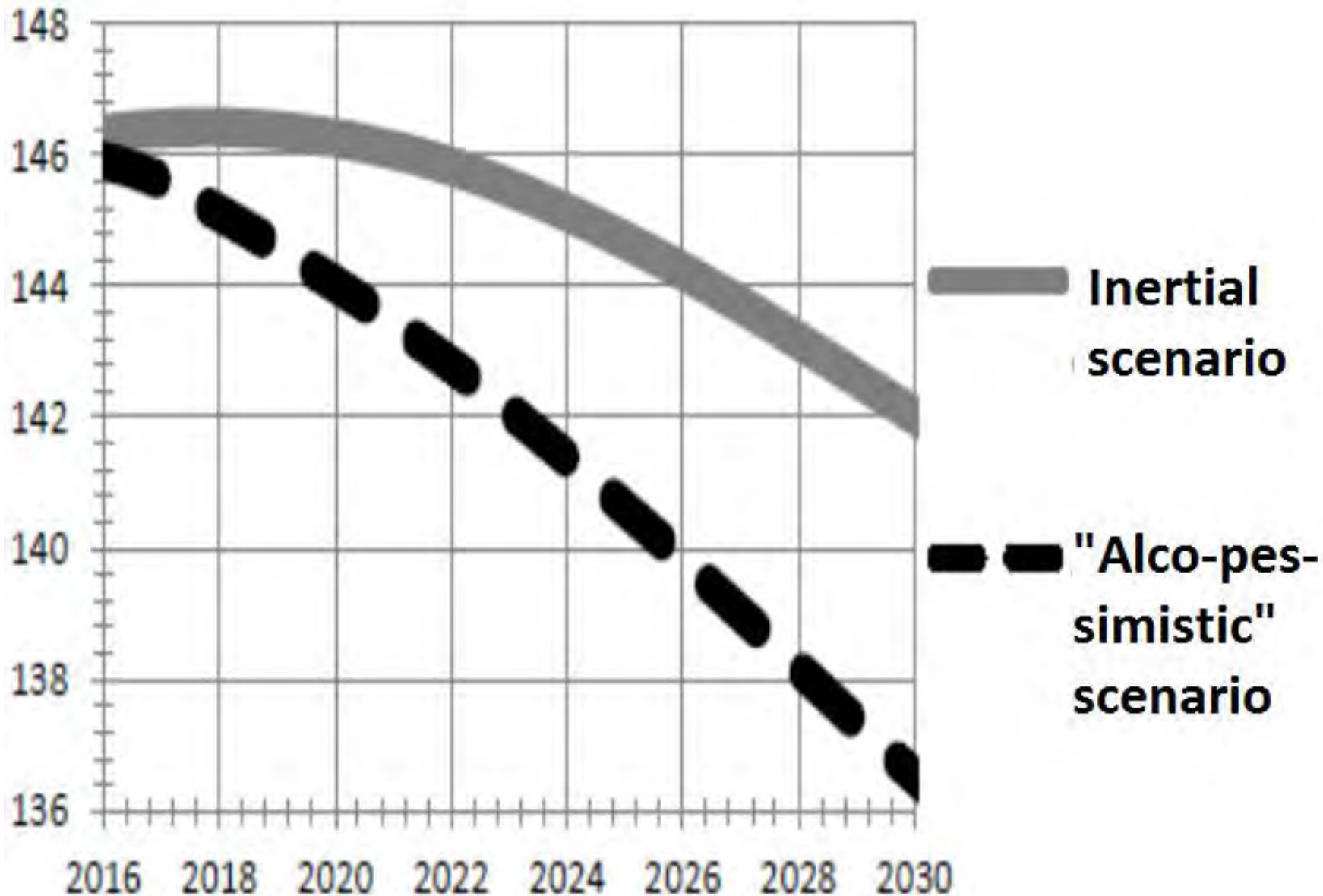
500 мл
95%

100 руб

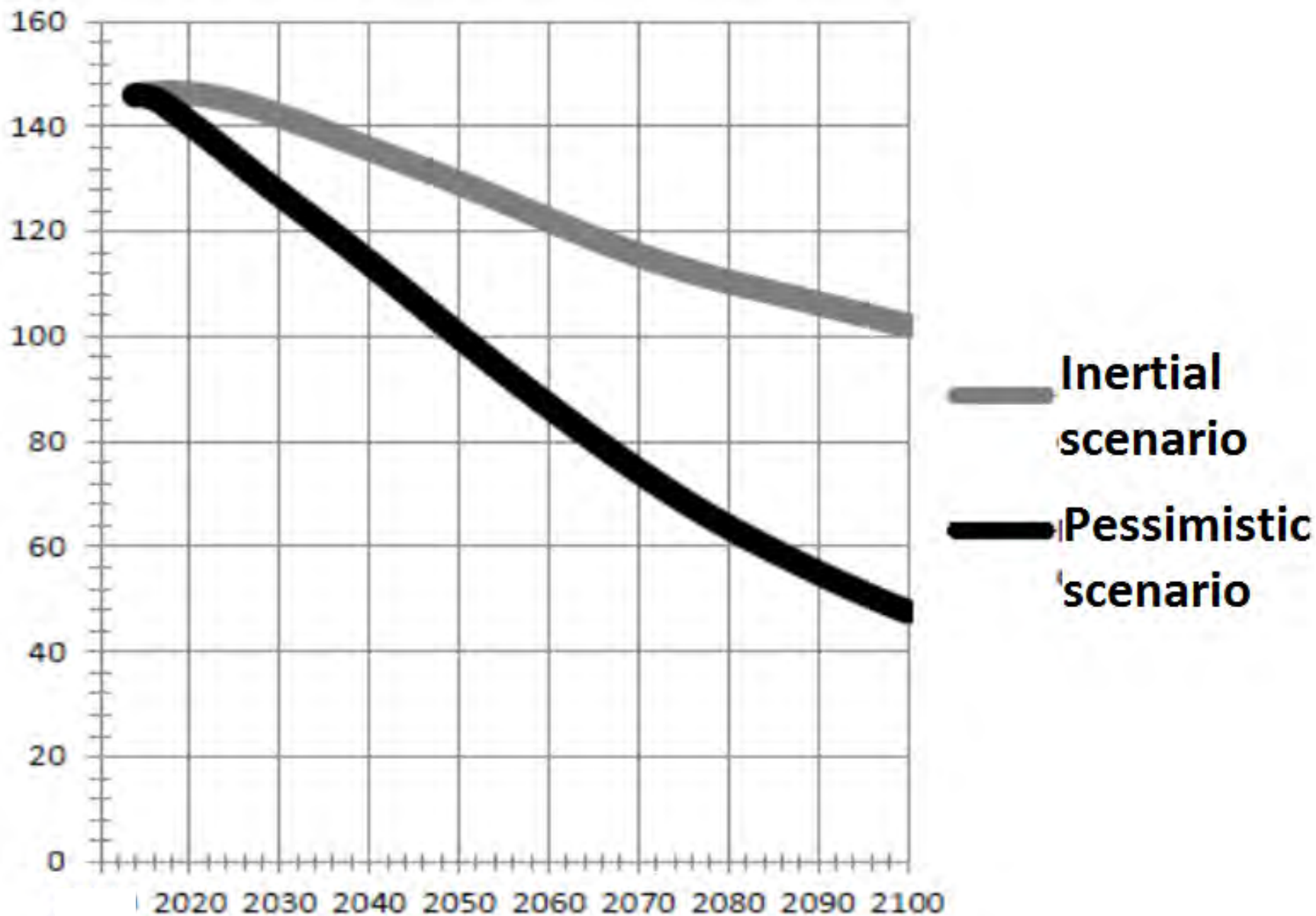


Этиловый спирт (этанол) — это органическое соединение, которое широко используется в промышленности и быту. Он является основным компонентом многих напитков и лекарств. При употреблении в больших количествах может вызвать отравление и даже смерть. Поэтому важно соблюдать меры предосторожности при его использовании.

Population of Russia, millions, inertial and "alco-pessimistic" scenarios, 2018-2100



Population of Russia, millions, inertial and pessimistic scenarios, 2018-2100



Population of Russia, millions, fertility support, inertial, and pessimistic scenarios, 2018-2100

