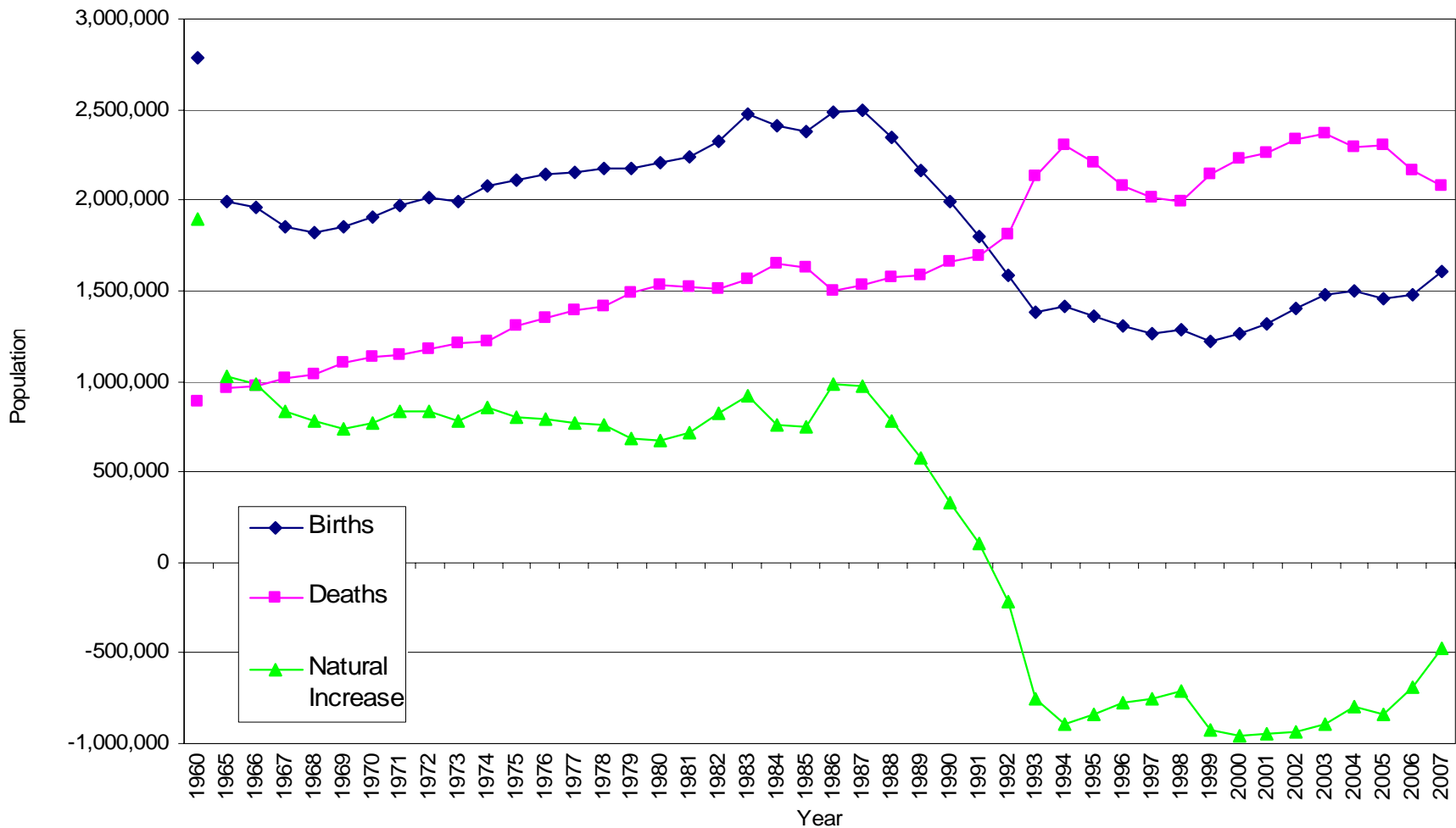


Population and Health: An Achilles' Heel for Russian Economic Development?

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**“Russia’s Economic Crisis:
How Deep? How Wide? How Lethal?”
American Enterprise Institute
December 9, 2008
Washington, DC**

Births, Deaths, and Natural Increase in Population: Russian Federation, 1960-2007



Source: The Russian Federation Ejegodnik: 2004 (State Committee of the Russian Federation on Statistics, Moscow, 2004), Table 2.25, Source for 2004-05 figures: Federal Statistics Service, accessed December 6, 2007, 2:00 PM. Source for 2006-2007 figures: Interfax News Agency, "Russia's Population Shrinks by 0.24 Million in 2007," March 27, 2008.

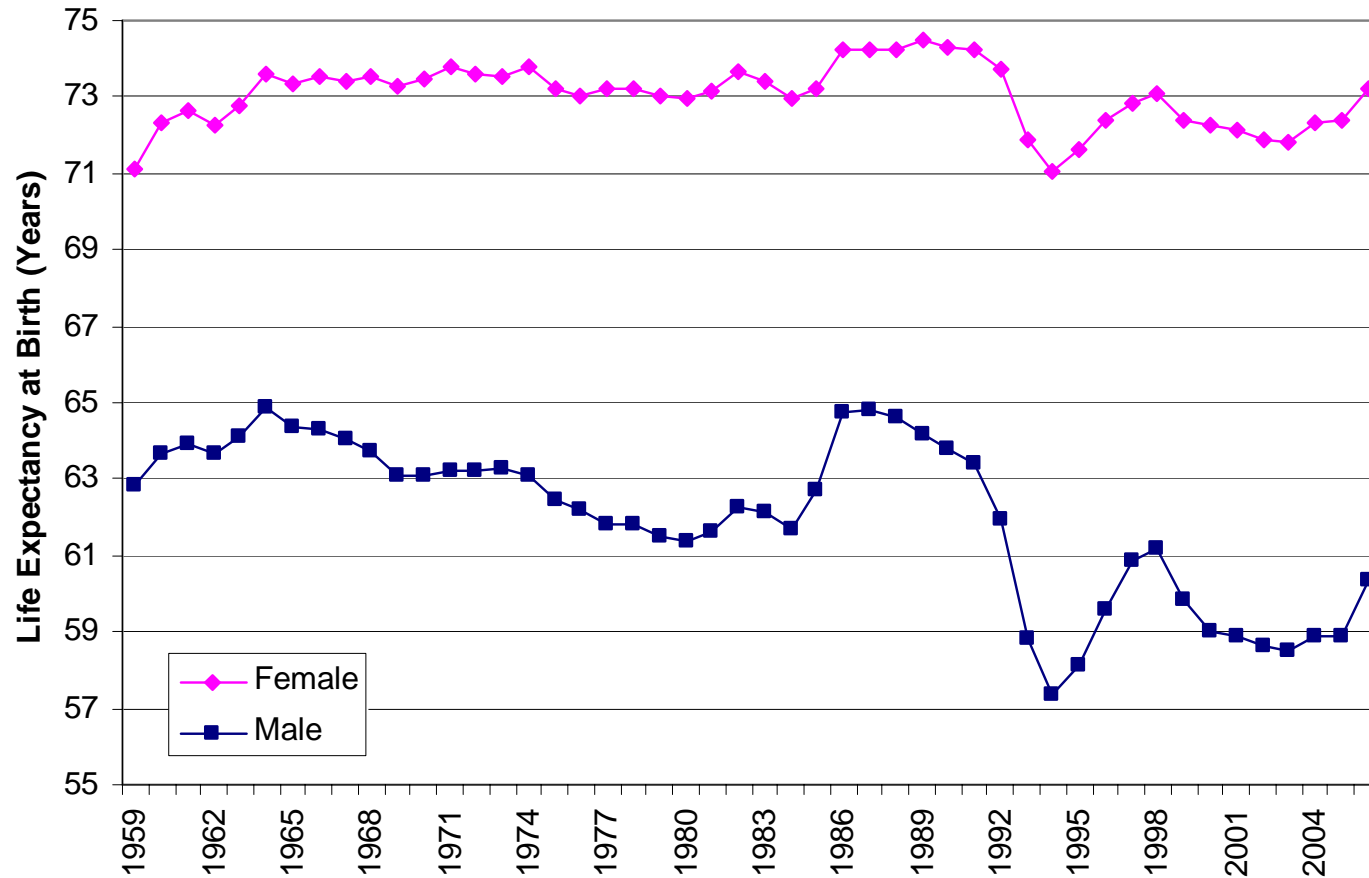
Estimated “Excess Mortality” in Russia, 1992-2006

[Benchmarked against Russian Mortality Schedules for 1986/87; rounded]

Year	Females	Males	Total
1992	13000	143000	155000
1993	126000	334000	460000
1994	187000	449000	635000
1995	148000	384000	532000
1996	105000	293000	398000
1997	89000	228000	317000
1998	70000	203000	272000
1999	122000	290000	411000
2000	133000	350000	482000
2001	133000	366000	498000
2002	159000	405000	564000
2003	166000	422000	587000
2004	119000	379000	497000
2005	112000	377000	488000
2006	60000	273000	333000
Total	1,734,000	4,889,000	6,622,000

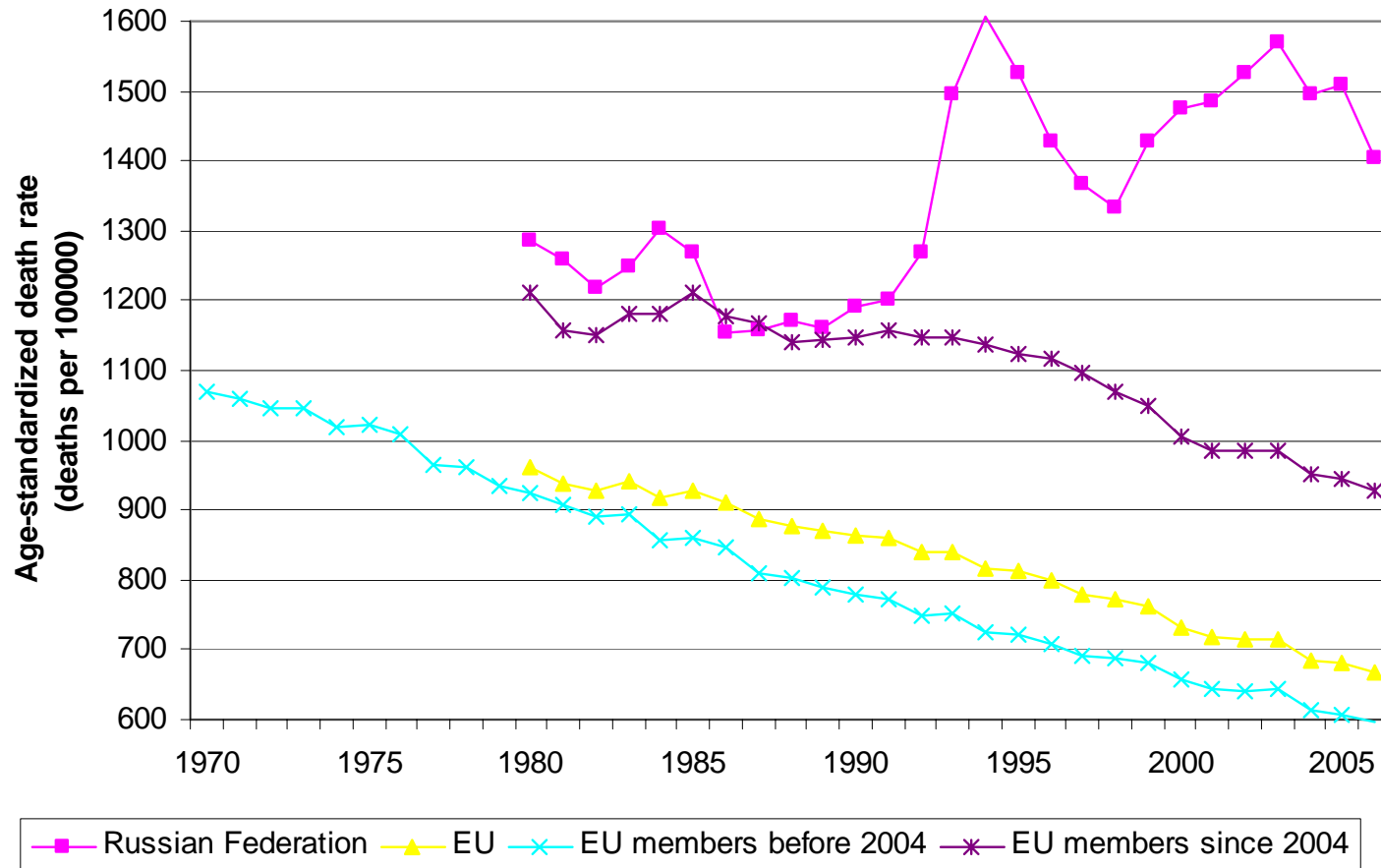
Source: Human Mortality Database. University of California, Berkeley and Max Planck Institute for Demographic Research.
Available at www.mortality.org.

Life Expectancy at Birth: Russian Federation, 1959-2006



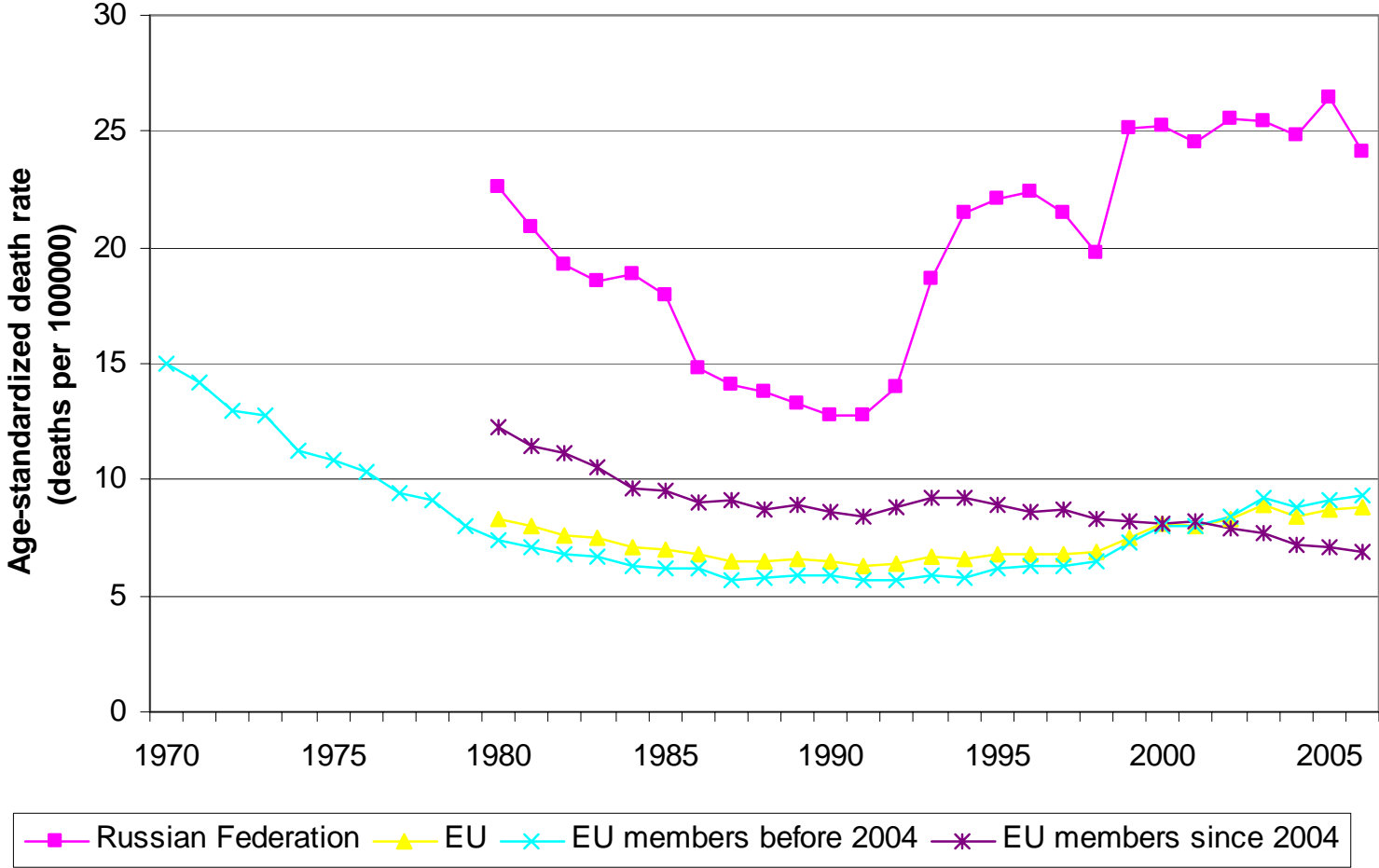
Source: Human Mortality Database. University of California, Berkeley and Max Planck Institute for Demographic Research. Available at www.mortality.org, accessed on November 7, 2008.

Death rates from all causes, 1970-2006: Russia vs. EU (males plus females)



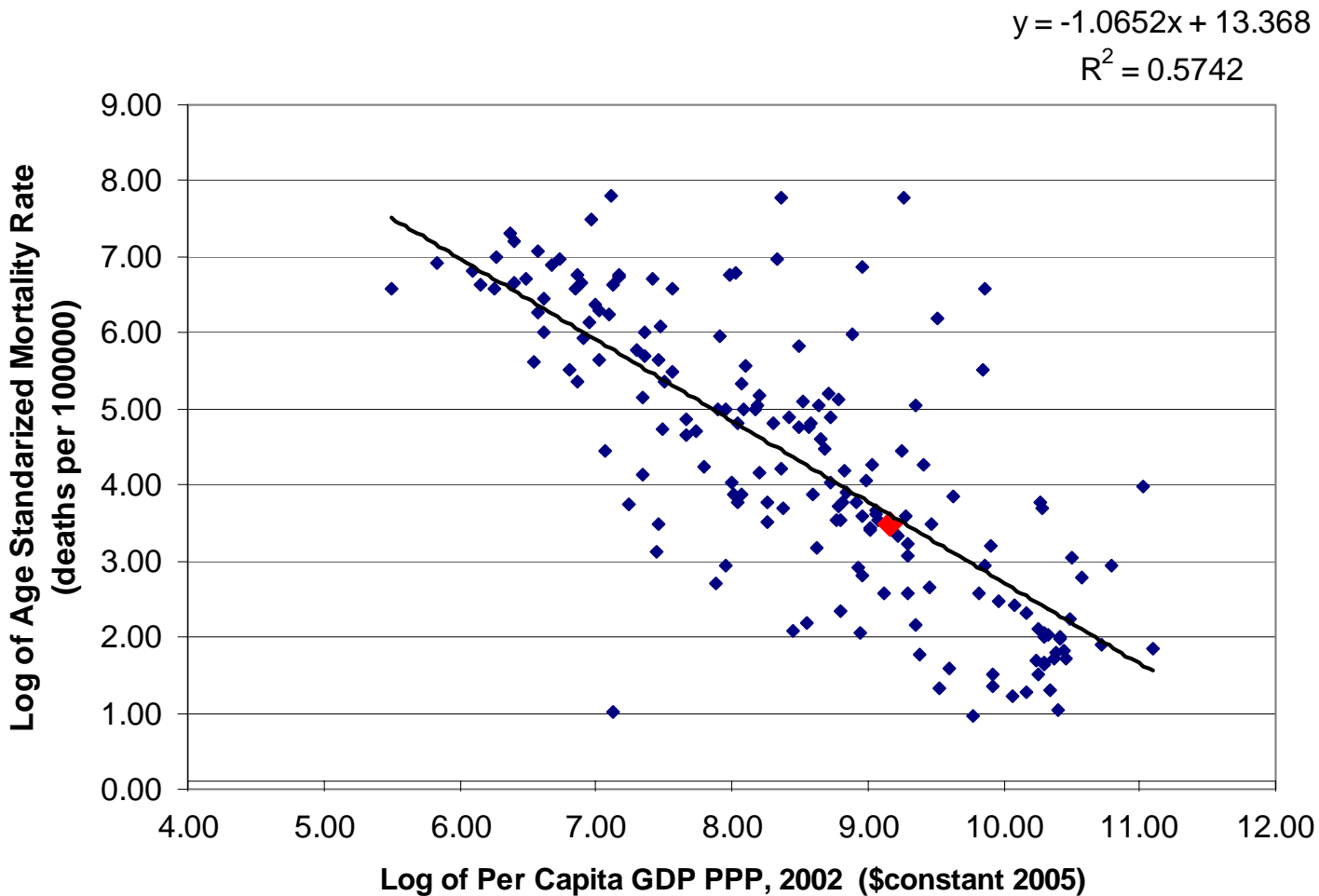
Source: Europe Health For All Database, World Health Organization, July 2008.

Death rates from Infectious and Parasitic Diseases, 1970-2006: Russia vs. EU (males plus females)



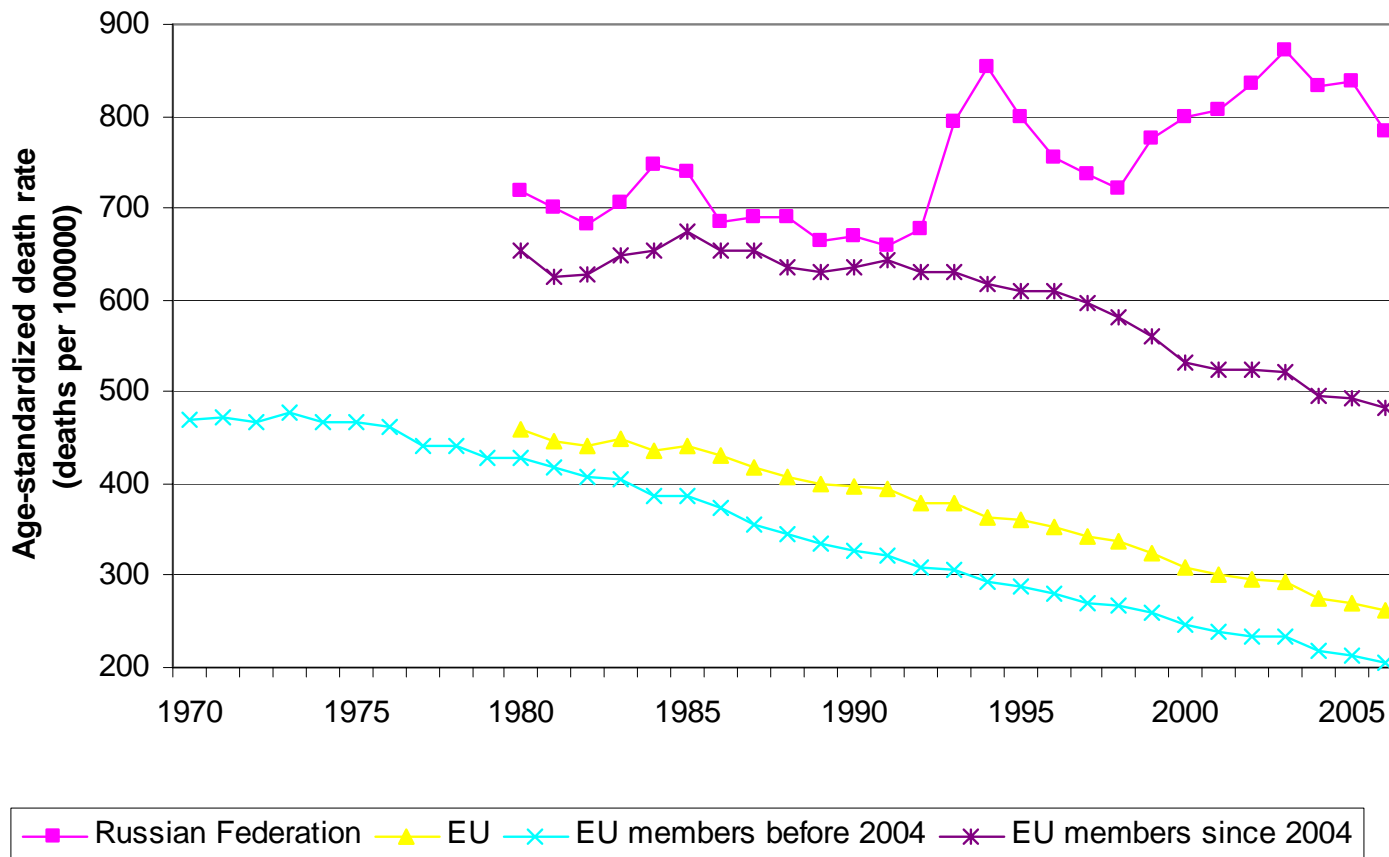
Source: Europe Health For All Database, World Health Organization, July 2008.

Age-standardized mortality rates from infectious and parasitic diseases vs. PPP-Adjusted Per Capita GDP, 2002



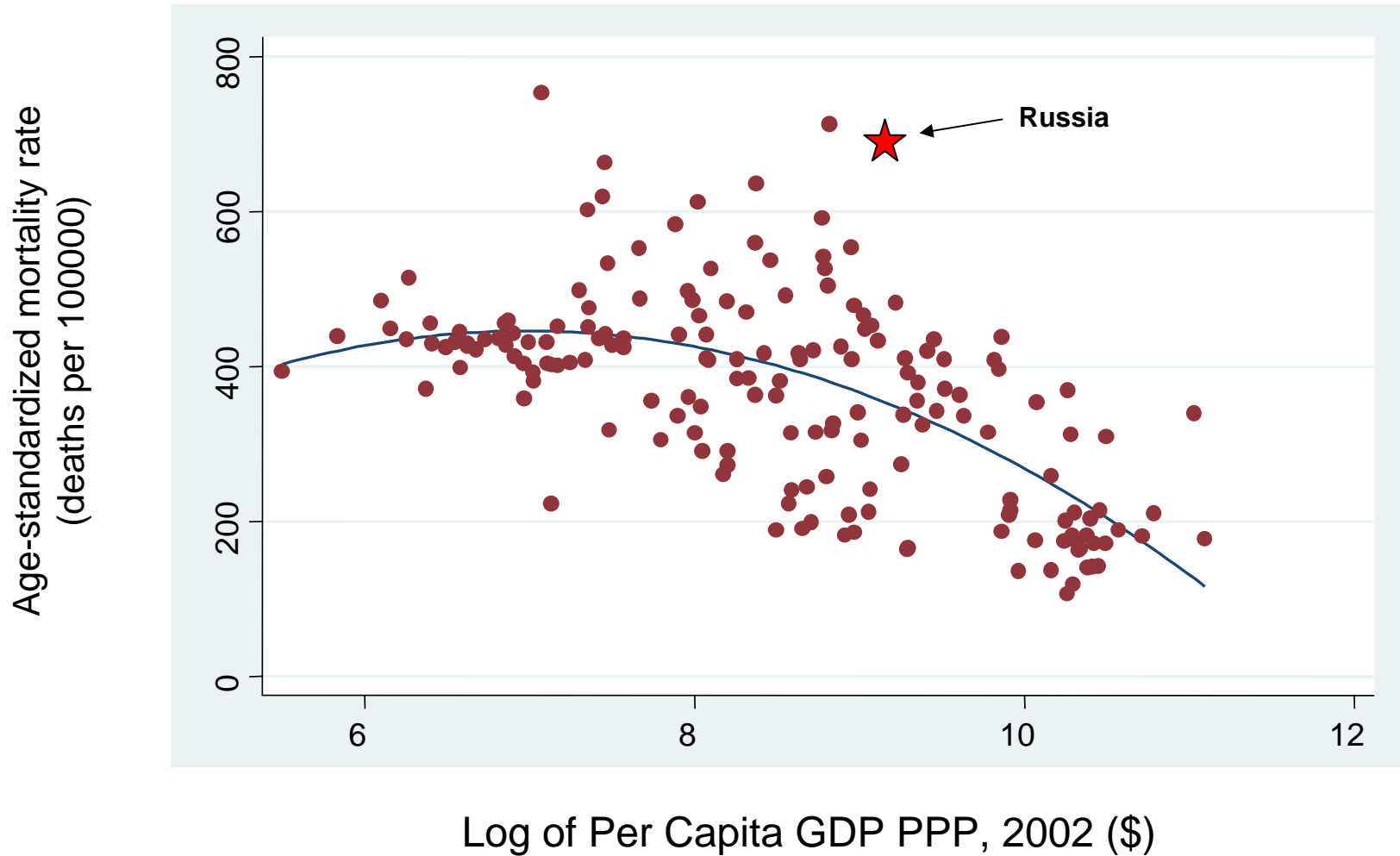
Source: World Development Indicators 2008, World Bank; Europe Health For All Database, World Health Organization, July 2008.

Death rates from Cardiovascular Disease, 1970-2006: Russia vs. EU (males plus females)

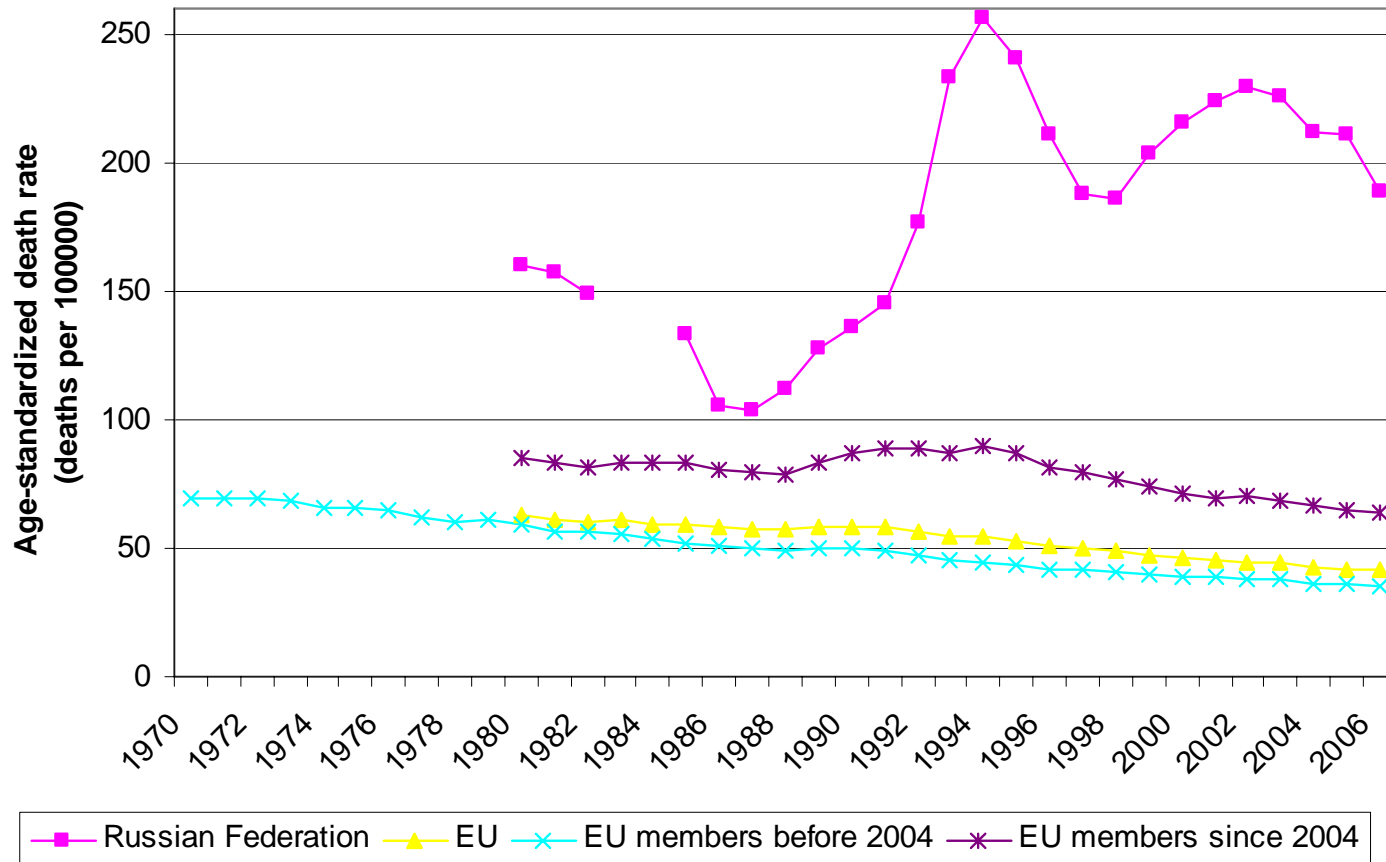


Source: Europe Health For All Database, World Health Organization, July 2008.

Age-standardized mortality rates from Cardiovascular Disease vs. PPP-Adjusted Per Capita GDP, 2002

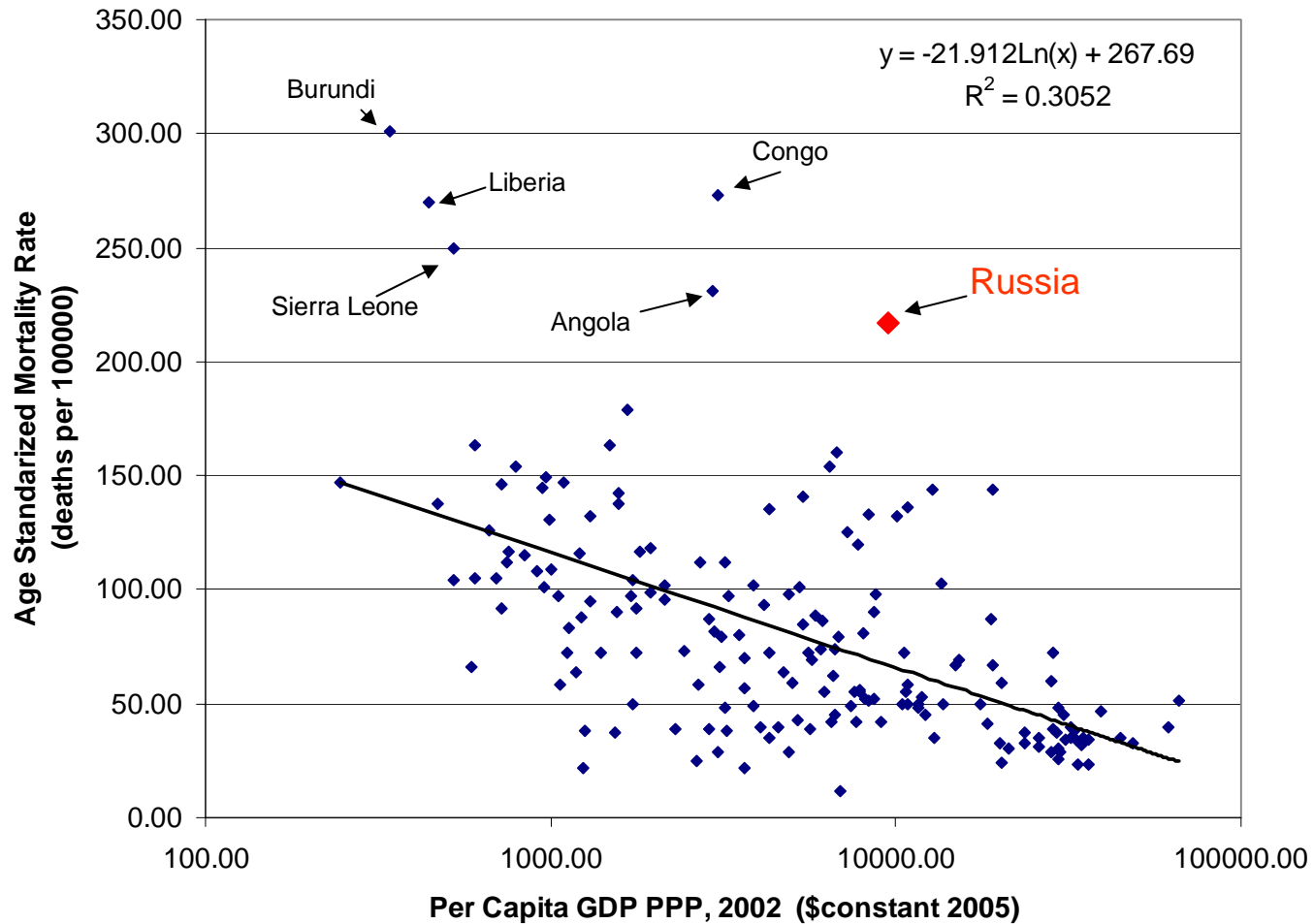


Death rates from External Causes, Injury, and Poison, 1970-2006: Russia vs. EU (males plus females)

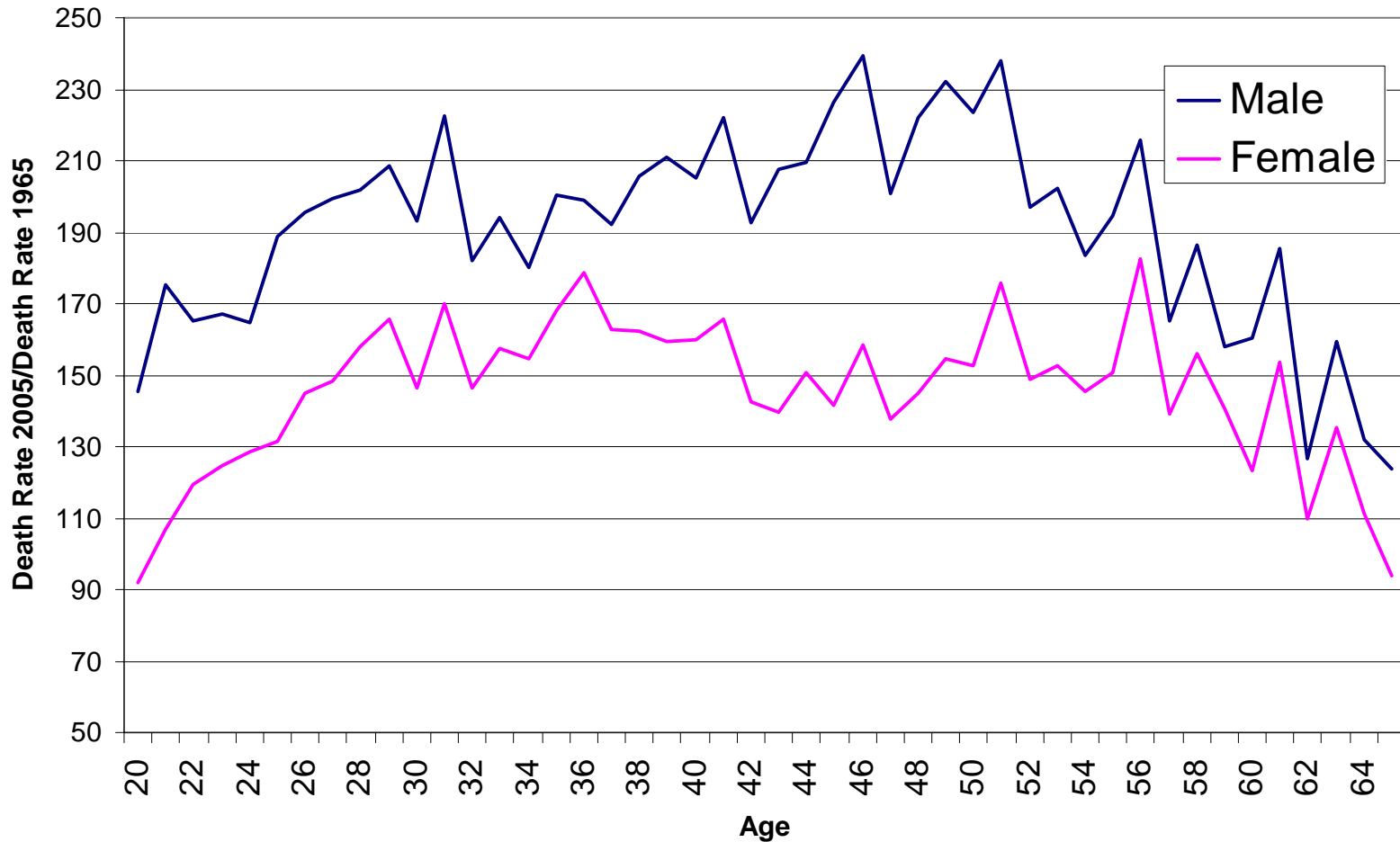


Source: Europe Health For All Database, World Health Organization, July 2008.

Age-standardized mortality rates from injury/external causes vs. PPP-Adjusted Per Capita GDP, 2002

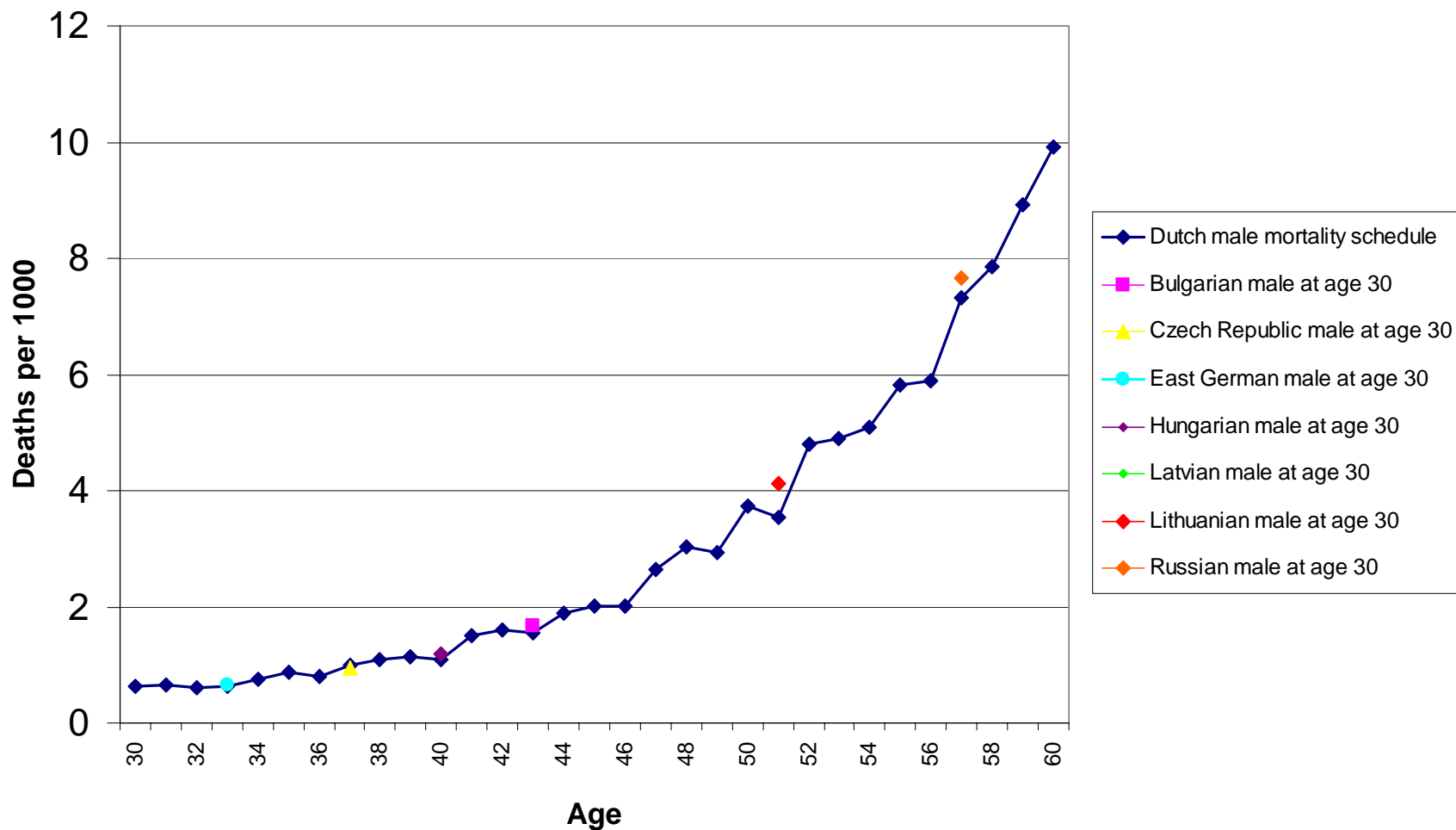


Death Rate Ratio by Gender, Ages 20-65: Russia, 2005 vs. 1965 (1965 = 100)



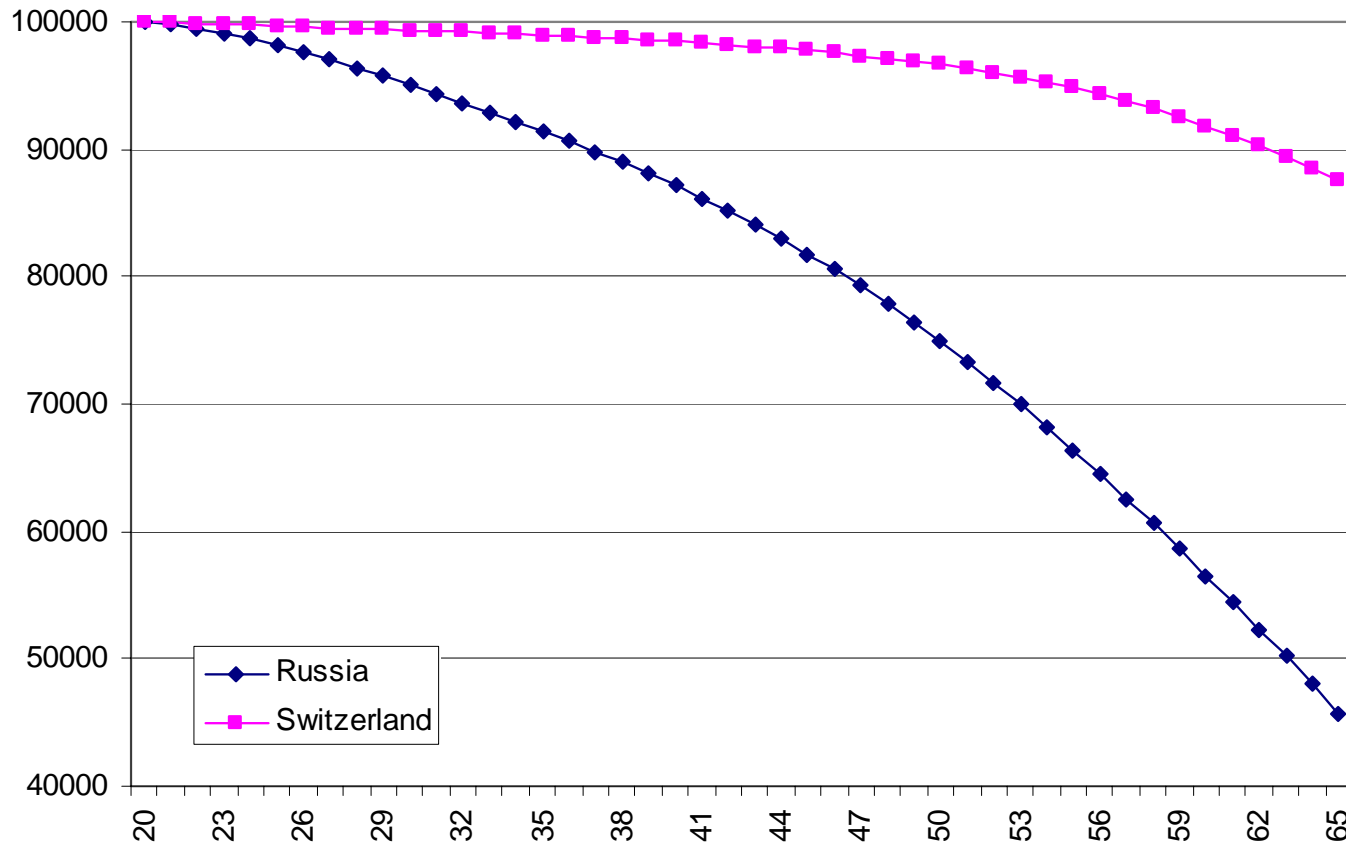
Source: Human Mortality Database. University of California, Berkeley and Max Planck Institute for Demographic Research. Available at www.mortality.org, accessed 10/17/2006.

"More Aged Than Their Years": Mortality At Age 30 for Men In Selected Post-Socialist Countries Compared With The Dutch Male Mortality Schedule, c. 2004



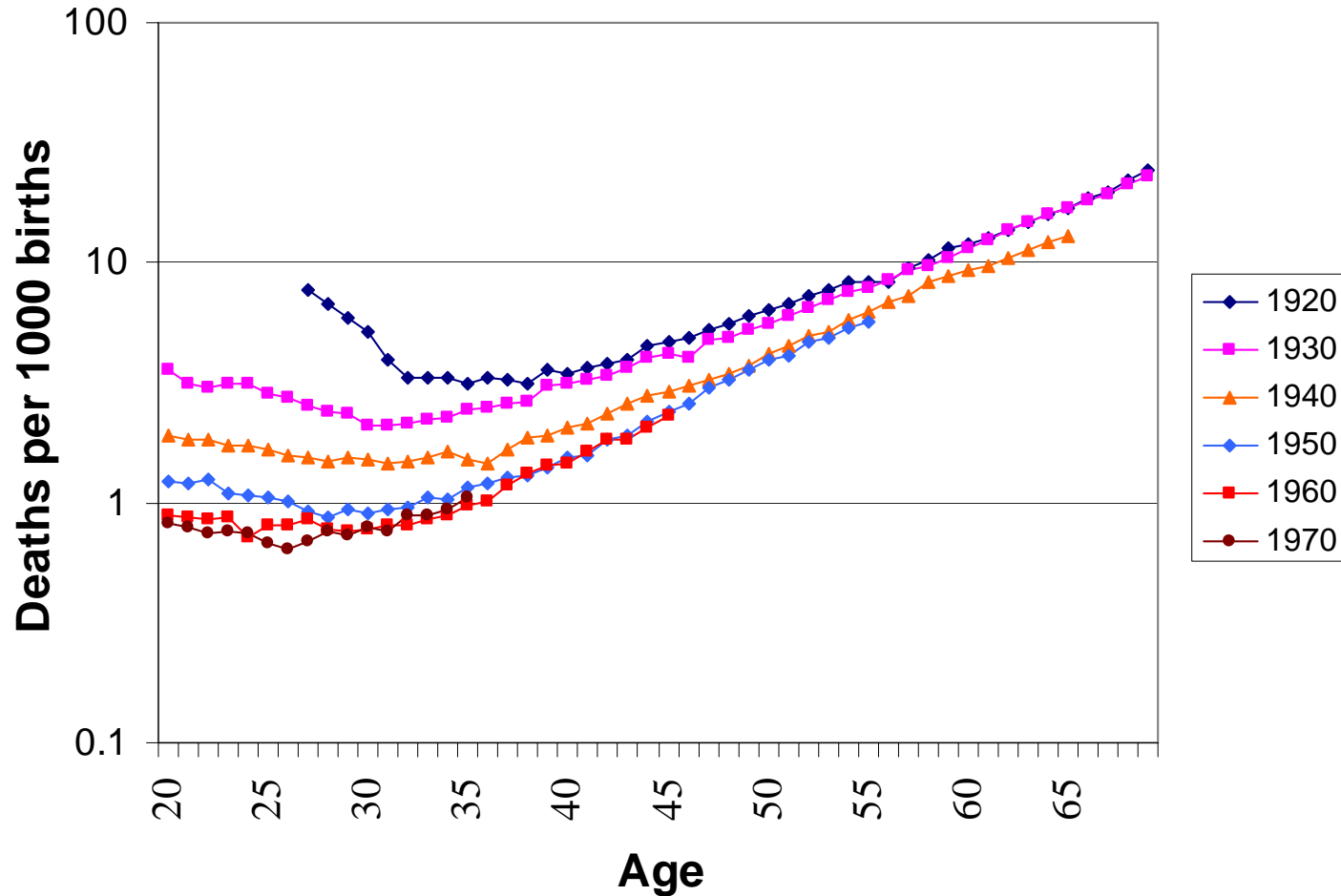
Human Mortality Database. University of California, Berkeley (USA), and Max Planck Institute for Demographic Research (Germany). Available at www.mortality.org or www.humanmortality.de (data downloaded on July 20, 2007).

Male Survival Schedules, Ages 20-65: Russian Federation vs. Switzerland, 2006



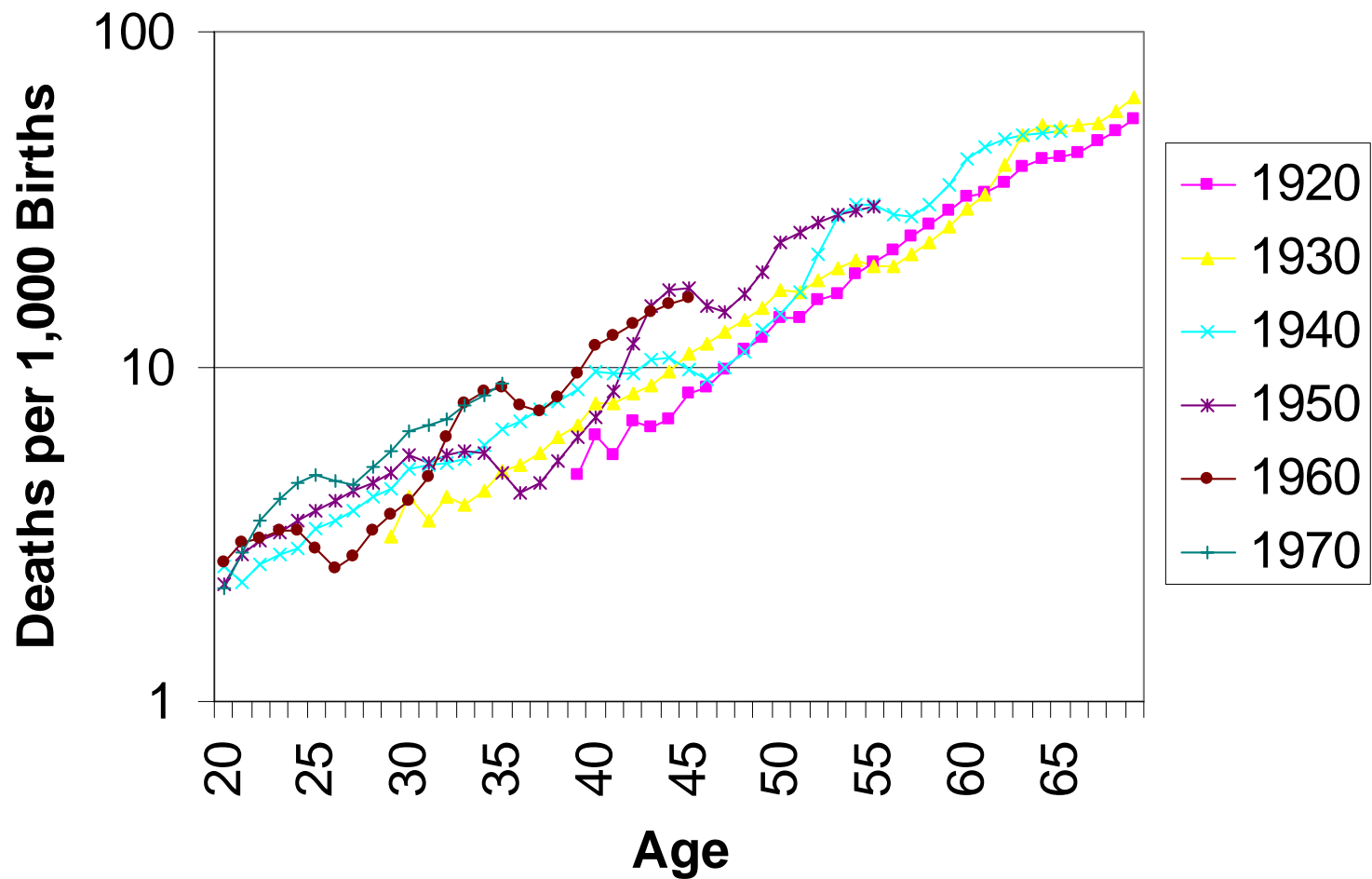
Source: Human Mortality Database. University of California, Berkeley and Max Planck Institute for Demographic Research.
Available at www.mortality.org, accessed on November 7, 2008.

Male Mortality in Japan by Birth Cohort, 1920-1970



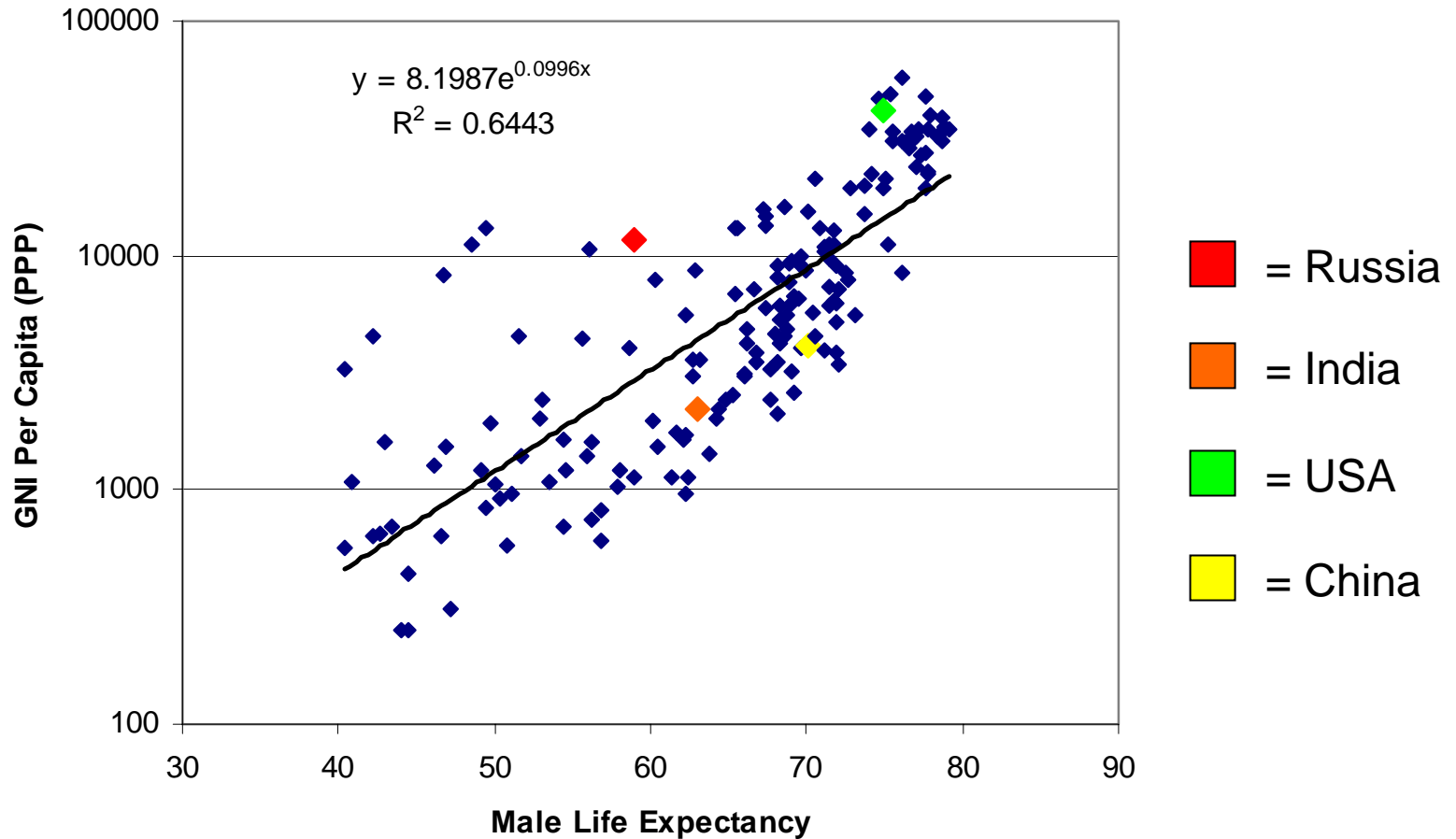
Source: Human Mortality Database. University of California, Berkeley and Max Planck Institute for Demographic Research. Available at www.mortality.org, accessed on November 7, 2008.

Male Mortality in Russia by Birth Cohort, 1920-1970

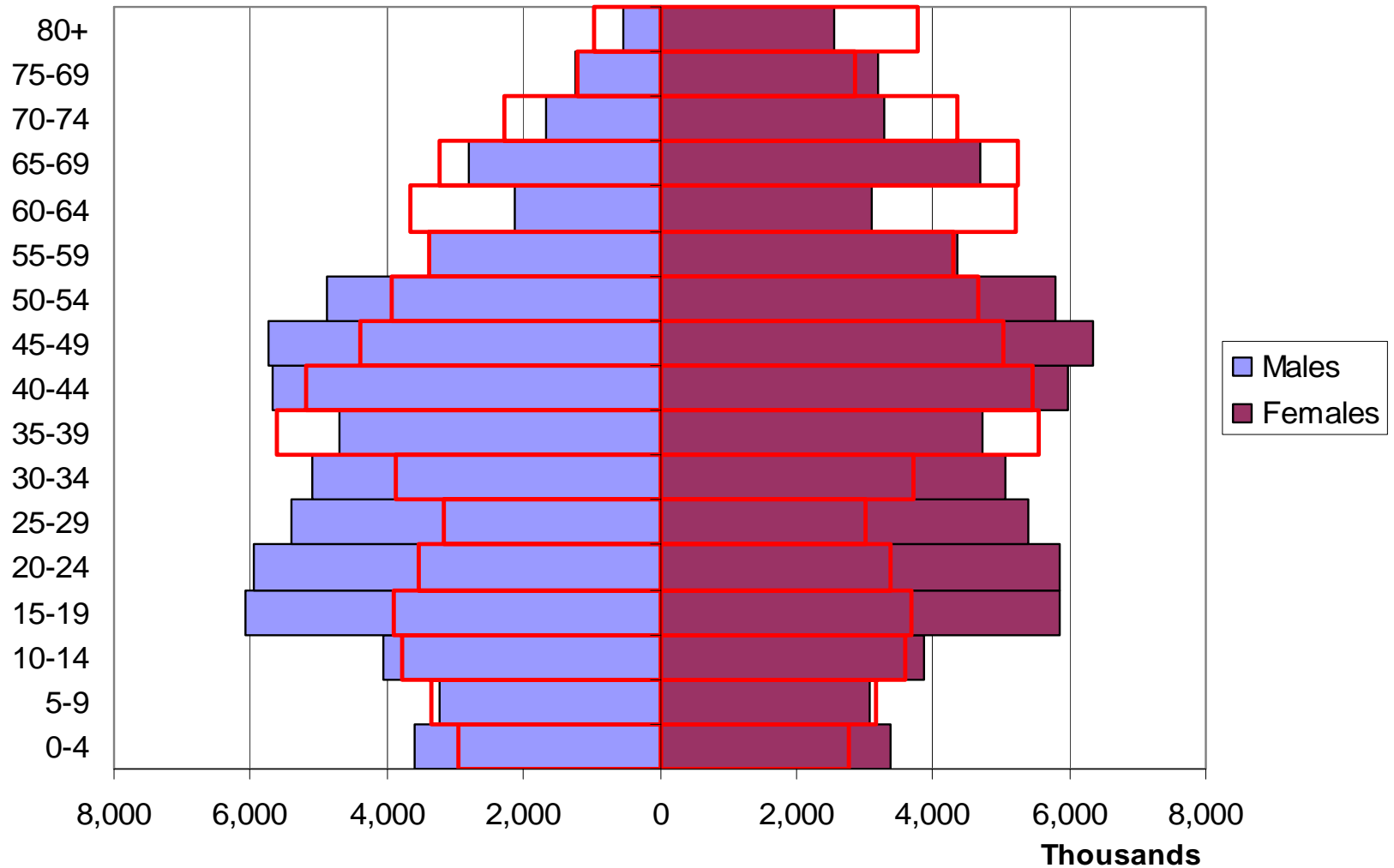


Source: Human Mortality Database. University of California, Berkeley and Max Planck Institute for Demographic Research. Available at www.mortality.org, accessed on November 7, 2008.

GNI per Capita vs. Male Life Expectancy, 2005



Russian Federation: Population Structure, 2005 vs. 2025 (projected)



Source: U.S. Bureau of the Census International Database, available online at <http://www.census.gov/ipc/www/idbacc.html>; Accessed December 8, 2008.