

Radiation Oncology: A Global Perspective

Compiled by the Global Health Initiative
Subcommittee (ARRO)

Section I:

General Statistics

General Statistics

- Developing countries account for less than 5% of global medical expenditures on cancer care, but compromise >50% of world's cancer patients
- More than 80% of cancer patients in the developing world are diagnosed at advanced stages
- Seventy percent of the 10 million deaths caused by cancer each year occur in low and middle-income countries
- Cancer survival is estimated at 50-60% in high income countries, in contrast to less than 20% in developing countries
- 50%-80% of all breast cancers in the developing world are diagnosed at an advanced stage as compared to 15% in higher income countries
- Of the women who die of cervical cancer worldwide, over 95% of them reside in developing countries

IAEA Human Health Reports Number Three. Inequality in Cancer Care: A Global Perspective. 2011

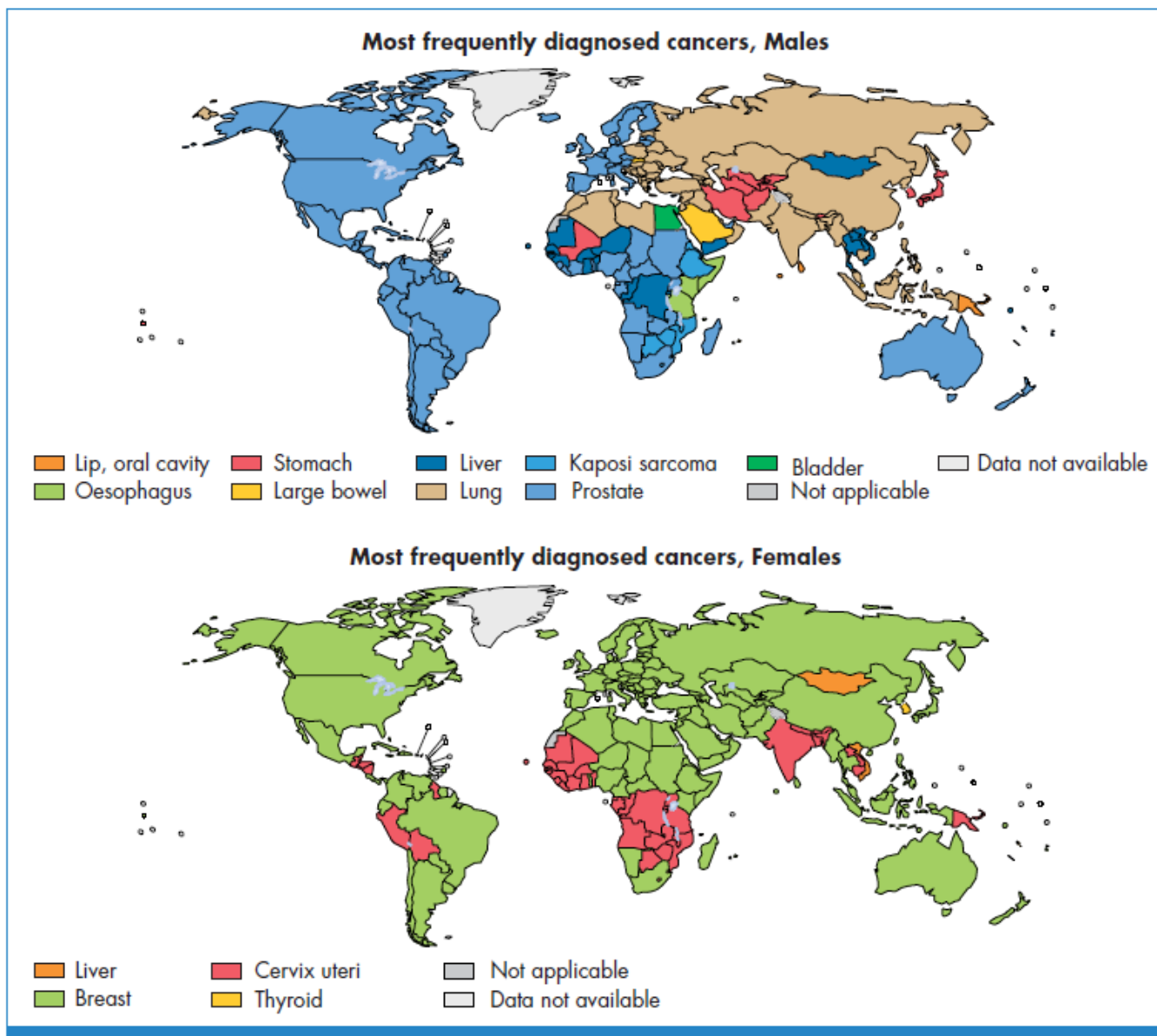
Sankaranarayanan R, Swaminathan R, eds. Cancer survival in Africa, Asia, the Caribbean and Central America. IARC Scientific Publications No. 162.

Lyon, France: International Agency for Research on Cancer, 2011.

Farmer P, Frenk J, Knaul FM, et al. Expansion of cancer care and control in countries of low and middle income: a call to action. Supplementary Webappendix. *Lancet* 2010;376(9747):1186–1193.

Most Frequently Diagnosed Cancers (Global)

Figure 3. Most frequently diagnosed cancers worldwide, by country and sex, 2008



Annual Cancer Cases per Income Group

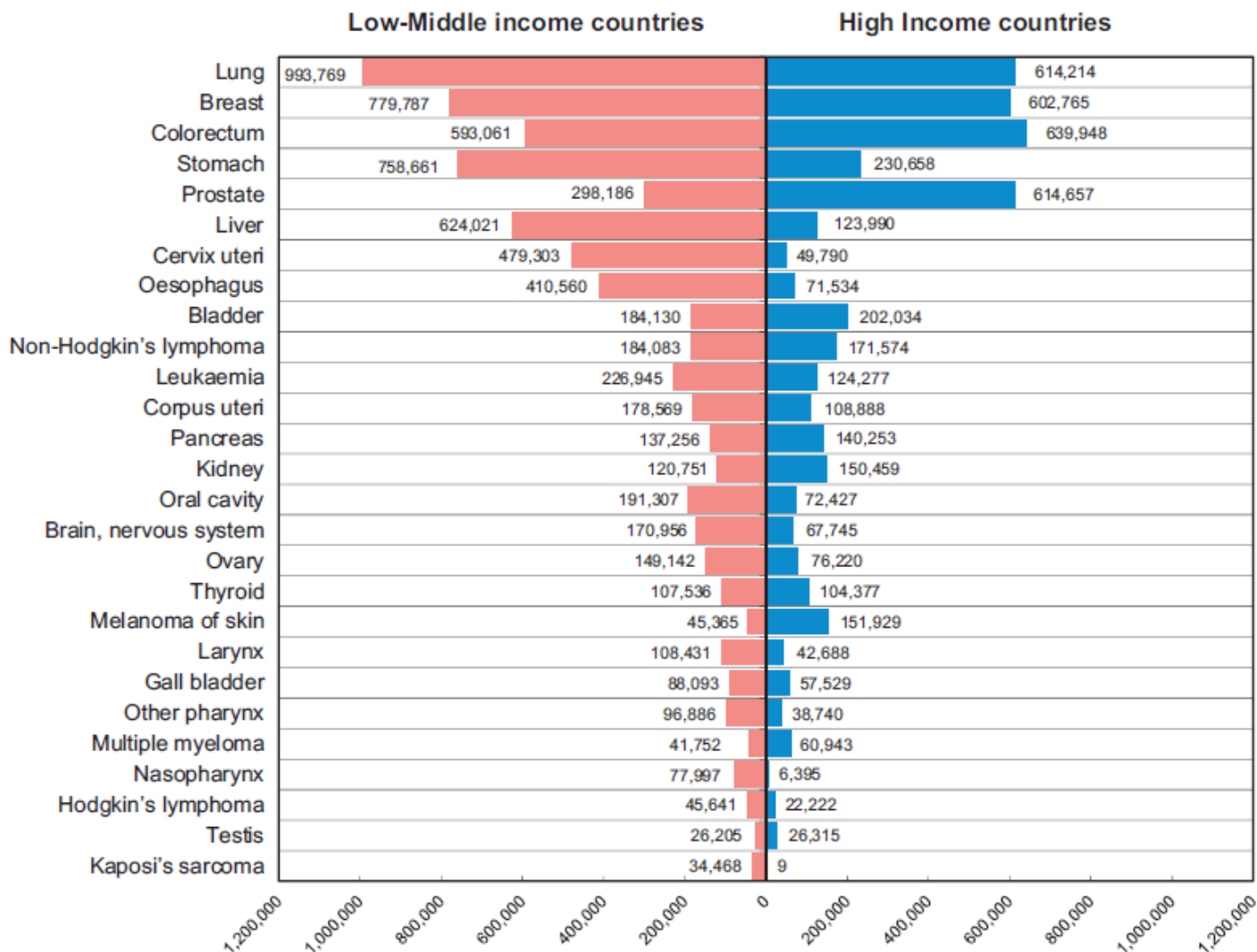
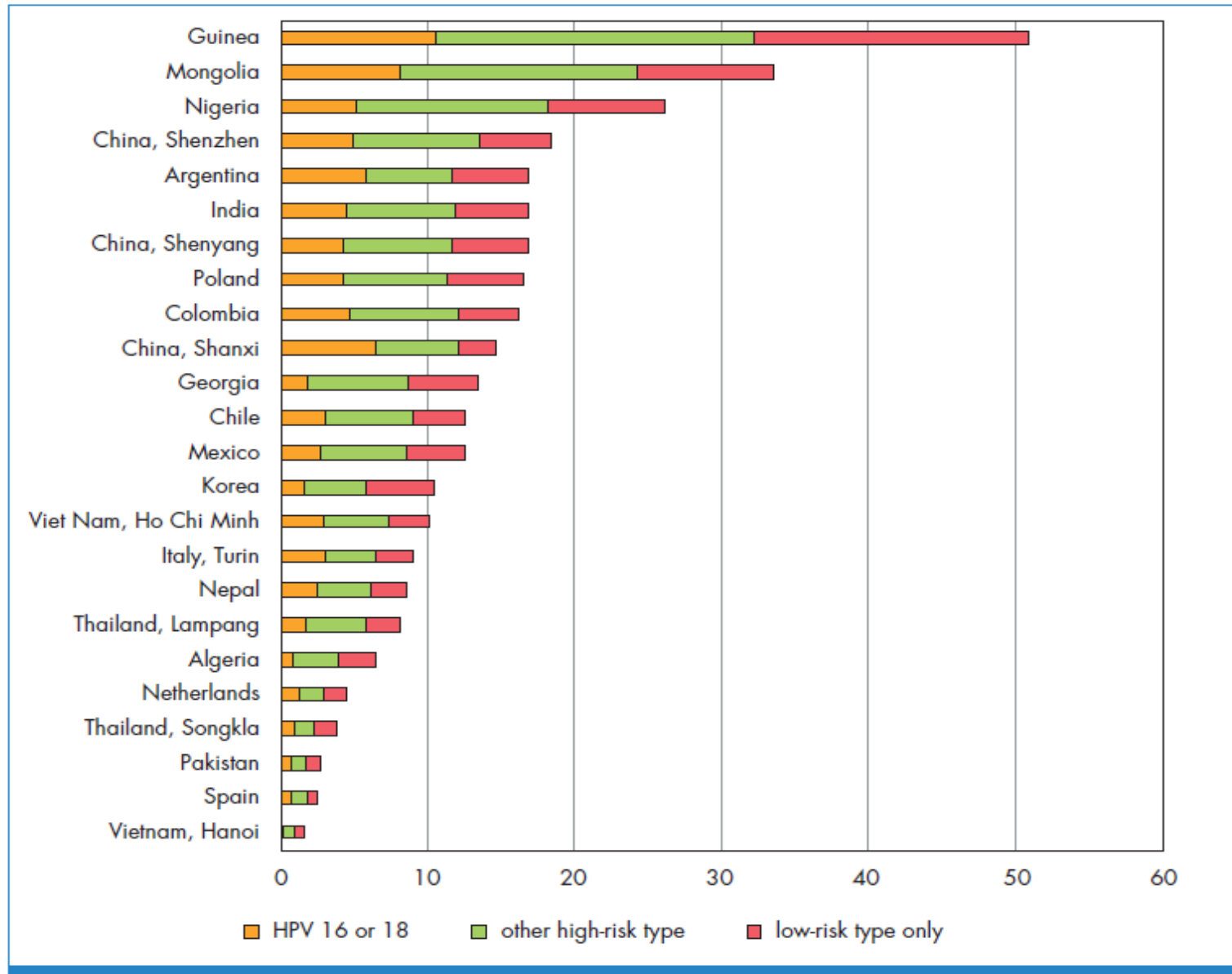


FIG. 1. Worldwide distribution of cancer types in 2008 in high income and low-middle income countries by total number of cases, in thousands. (Incidence data from GLOBOCAN-2008.)

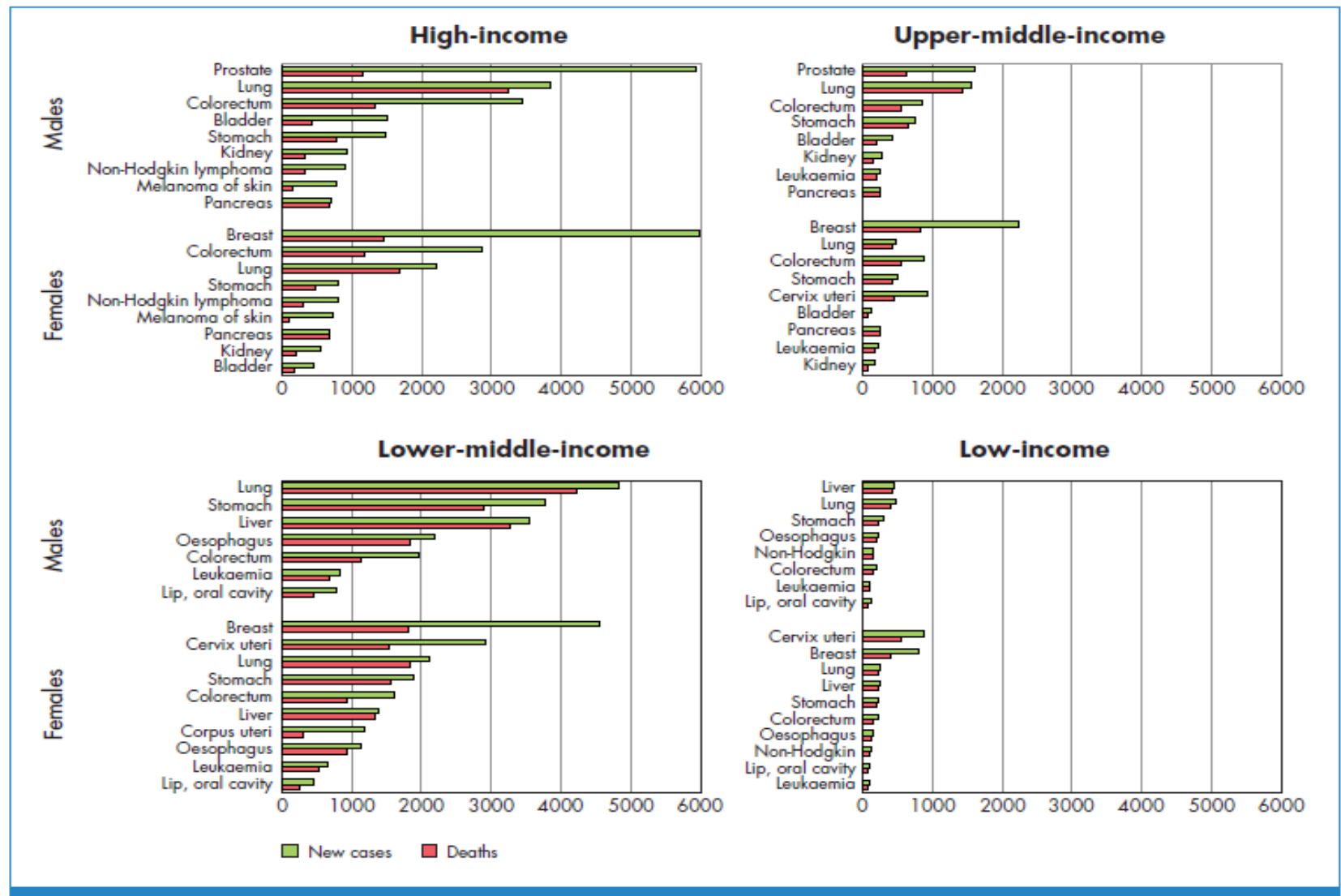
HPV Prevalence: Selected Countries

Figure 19. Prevalence of cervical HPV in sexually active women, 15-59 years, (1995-2009)



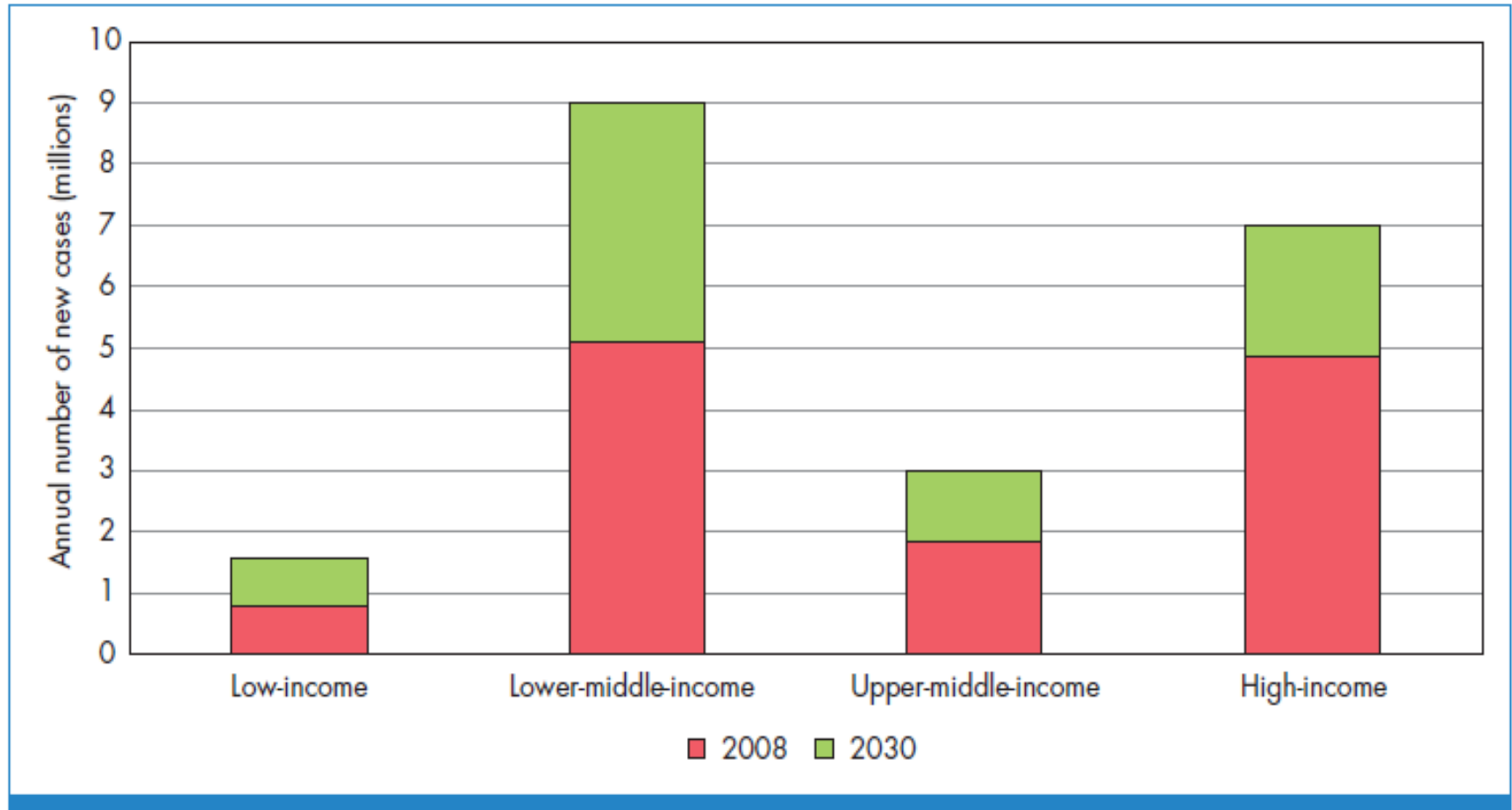
Estimated Annual Cancer Cases and Deaths per Income Group

Figure 4. Estimated annual number of new cases and deaths for the 10 most common cancers, by World Bank income groups and by sex, 2008



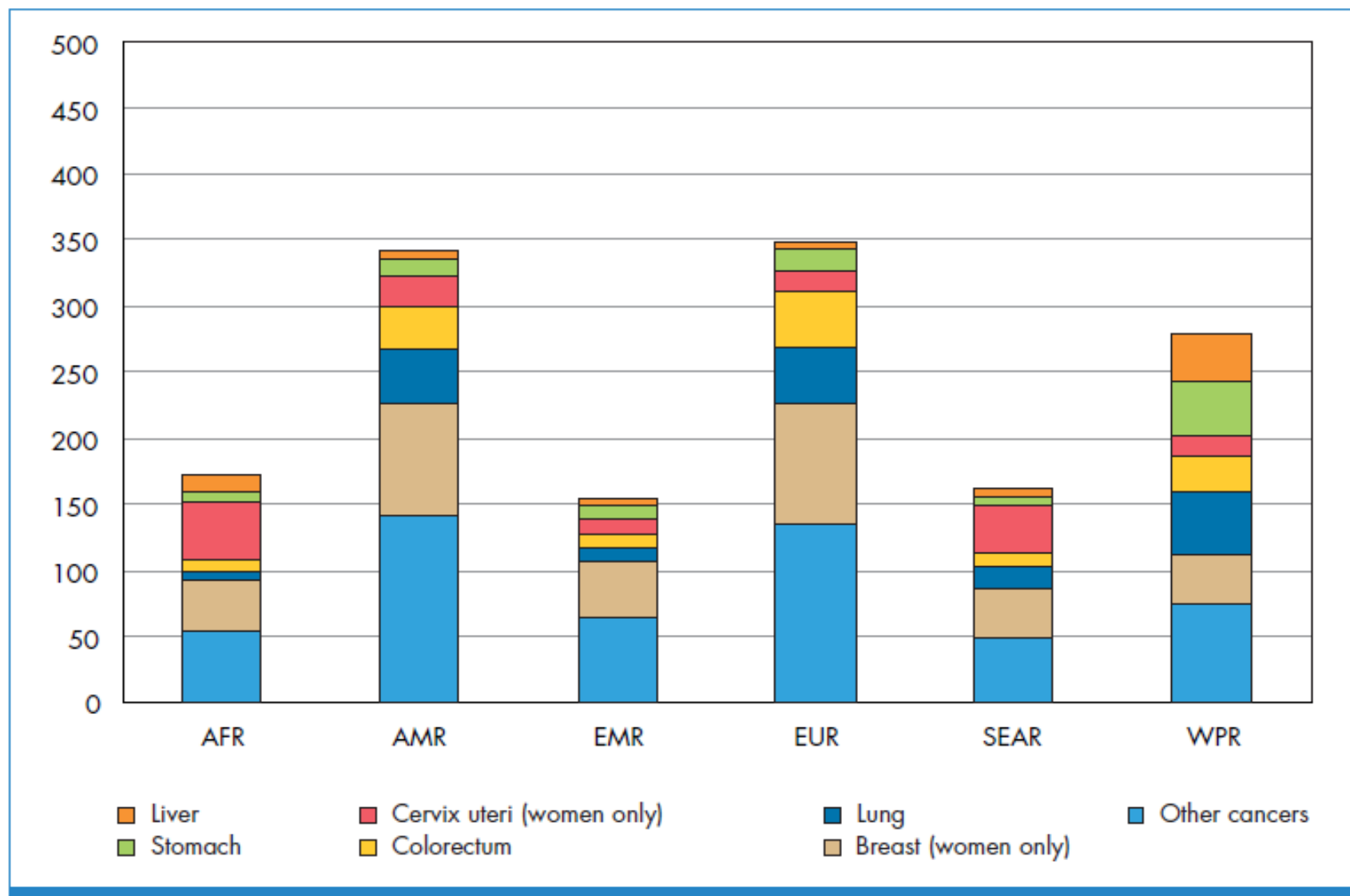
Annual Cancer Cases per Income Group: Estimated (2008) vs Predicted (2030)

Figure 5. Estimated annual number of new cancer cases 2008 and predicted 2030, by World Bank income groups



Global Incidence of Cancer: Age-standardized, per WHO Region

Figure 6. Age-standardized incidence of all cancers (excluding non-melanoma skin cancer), by type, per 100 000 population for both sexes, by WHO Region, 2008



Global Incidence of Cancer: Age-standardized, per Income Group

Figure 7. Age-standardized incidence rates of all cancer (excluding non-melanoma skin cancer), by type of cancer, per 100 000 population for both sexes, by World Bank income groups, 2008

