Launch of GLOBOCAN 2008

June 1st 2010

Section of Cancer Information
International Agency for Research on Cancer
Lyon, France
GLOBOCAN 2008

• **New** estimates for the worldwide burden of cancer.

• UN General Assembly resolution (12 May 2010) on prevention and control of noncommunicable diseases (NCDs):
  ➢ Halt the increasing trends in premature deaths from NCDs worldwide, with a particular focus on developing countries.

• Spain’s representative (on behalf of EU) considered WHO to play a major role in developing and utilizing standardized indicators.
GLOBOCAN 2008

- Produced by IARC as definitive reference source for national and international agencies in setting priorities for cancer control;
- Information on 27 specific cancer types for almost all countries of the world;
- Makes use of available data from cancer registries worldwide and/or estimates based on most accurate alternative sources;
- Provided as user-friendly online utility at:  
  ➢ http://globocan.iarc.fr
In 2008, best estimates:

- 12.7 million new cancer cases
- 7.6 million cancer deaths
- 56% of new cancer cases and 63% of deaths in developing regions of the world
Global Burden of Cancer (2008)

Incidence: 12.7 million new cases worldwide (both sexes) (5.6 in more developed regions, 7.1 in less developed regions)
Mortality: 7.6 million deaths worldwide (both sexes)
(2.8 in more developed regions, 4.8 in less developed regions)
Estimated age-standardised incidence rate per 100,000
All cancers excl. non-melanoma skin cancer, both sexes, all ages

GLOBOCAN 2008 (ARC) - 27.5.2010

International Agency for Research on Cancer

World Health Organization
GLOBOCAN 2008

• The online software allows:
  • Production of country and cancer site specific factsheets
  • Mapping, graphical and tabulation facilities
  • Predictions of future cancer burden to 2030

• http://globocan.iarc.fr
GLOBOCAN 2008 – future predictions

- GLOBOCAN 2008 has facilities to predict the future cancer incidence and mortality burden up to 2030 according to forecasted country-specific changes in:
  - Population growth
  - Population ageing
Population growth: trends in size of population 1750-2050

Source: U.N. Population Division
Projected number of persons aged 65 years or over in more and less developed regions, 2000–2050.
Population Growth and Ageing

• The world population will reach 7 billion by 2012 and 8.3 billion by 2030
  • 4 times more persons in developing regions in 2030 compared with 1950

• Populations of many countries are ageing rapidly - trend is expected to continue to around 2050
  • 10 times more elderly in developing regions in 2030 compared to 1950

Source: U.N. Population Division
Global cancer – new cases

- **2008**
  - More developed regions: 6 million
  - Less developed regions: 7 million
  - World: 14 million

- **2020**
  - More developed regions: 7 million
  - Less developed regions: 10 million
  - World: 17.5 million

- **2030**
  - More developed regions: 8 million
  - Less developed regions: 12 million
  - World: 21 million

*IARC, GLOBOCAN 2008*
Global cancer – deaths

2008
2020
2030

More developed regions
Less developed regions
Total

IARC, GLOBOCAN 2008
Global impact on cancer burden 2030*

- Approx. **21.4 million** new cases will be diagnosed in **2030**
  - Up 69% from 12.7 million in 2008
- Approx. **13.2 million** deaths from cancer will occur in **2030**
  - Up 72% from 7.6 million in 2008

* Assuming rates in 2008 do not change.