



T.C. Sağlık Bakanlığı  
Türkiye Halk Sağlığı  
Kurumu

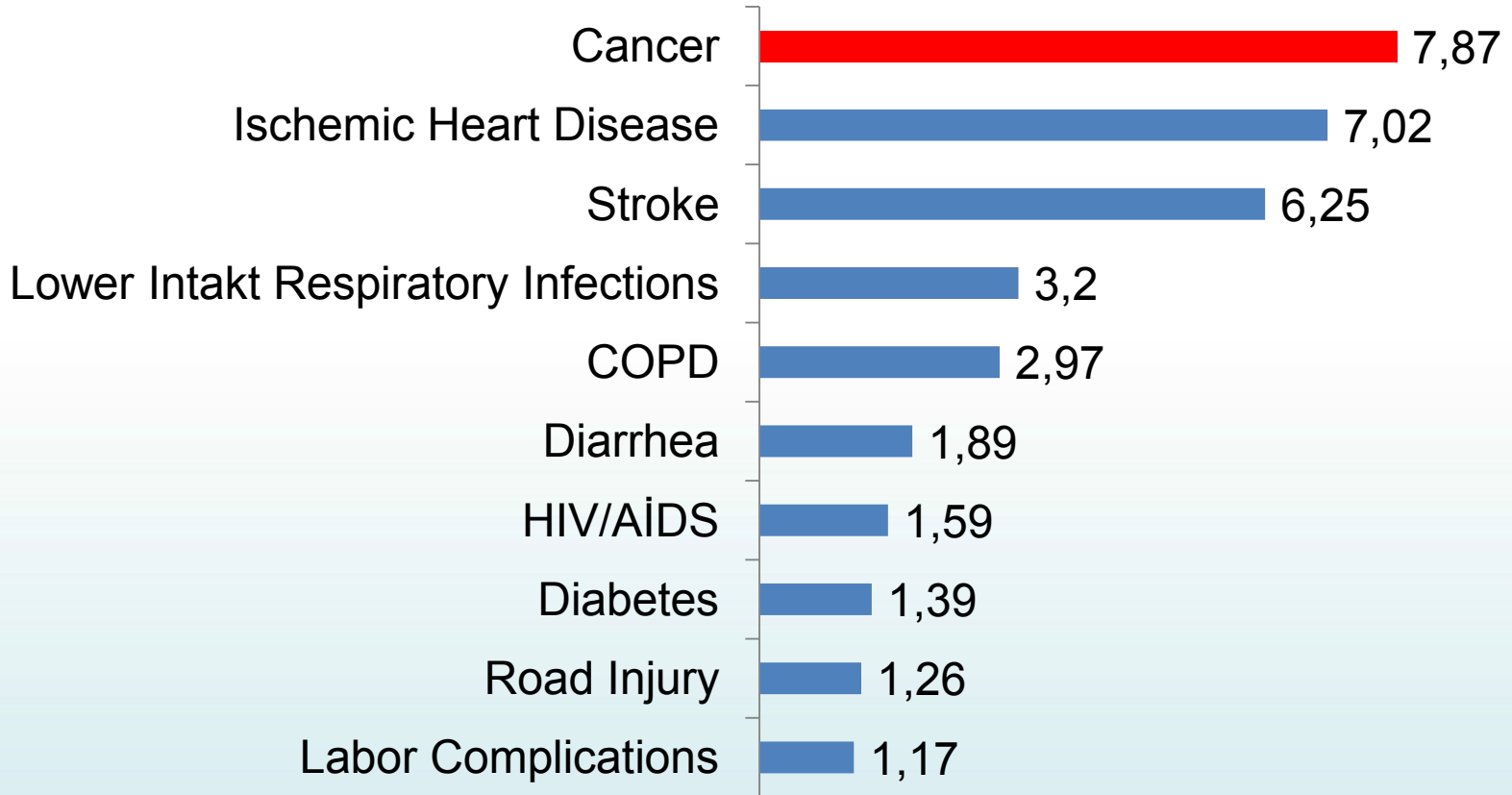
# Cancer Control in Turkey 2014



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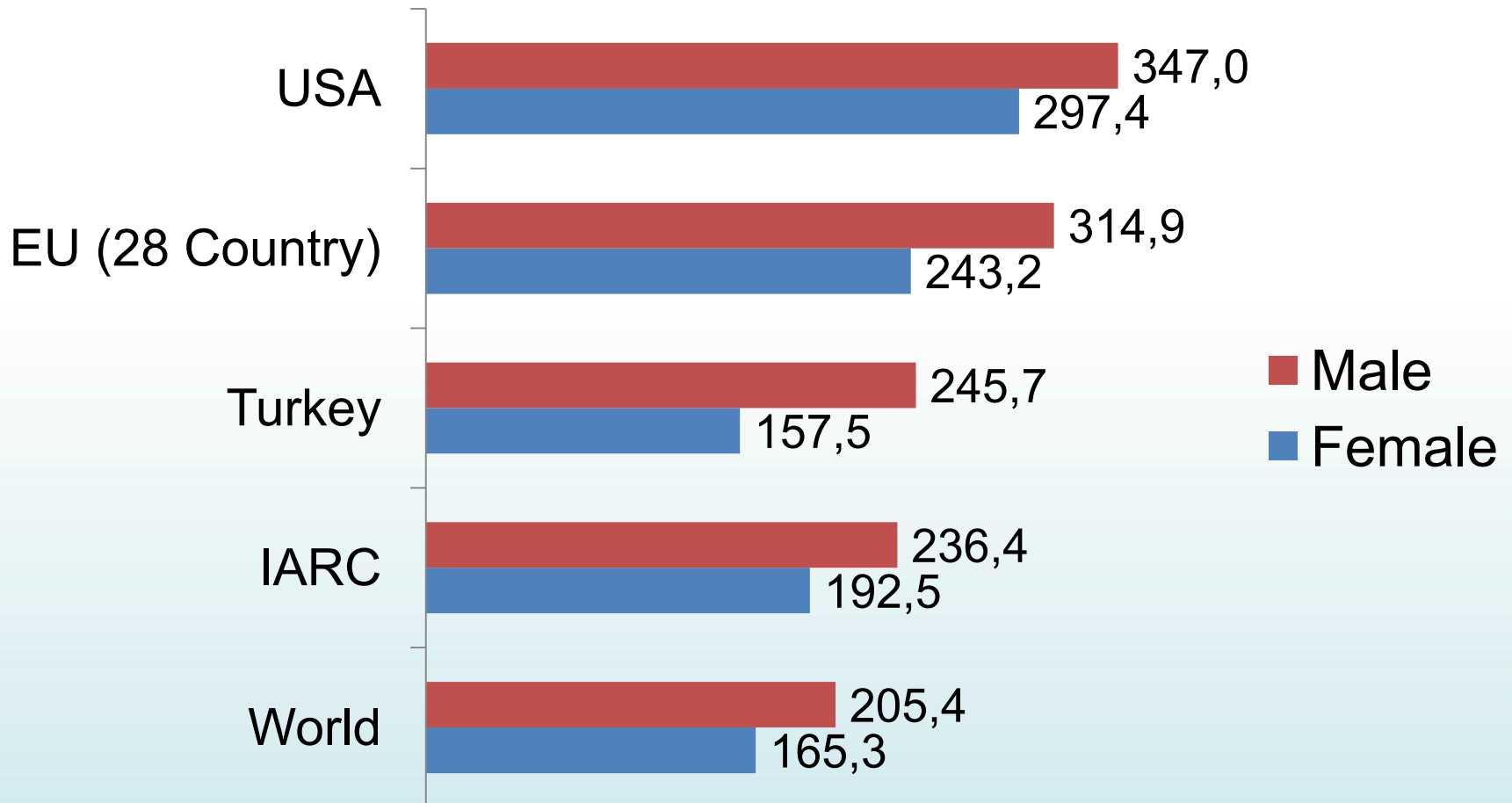
# Cancer in World

## Causes of Death in World



# Cancer in Turkey

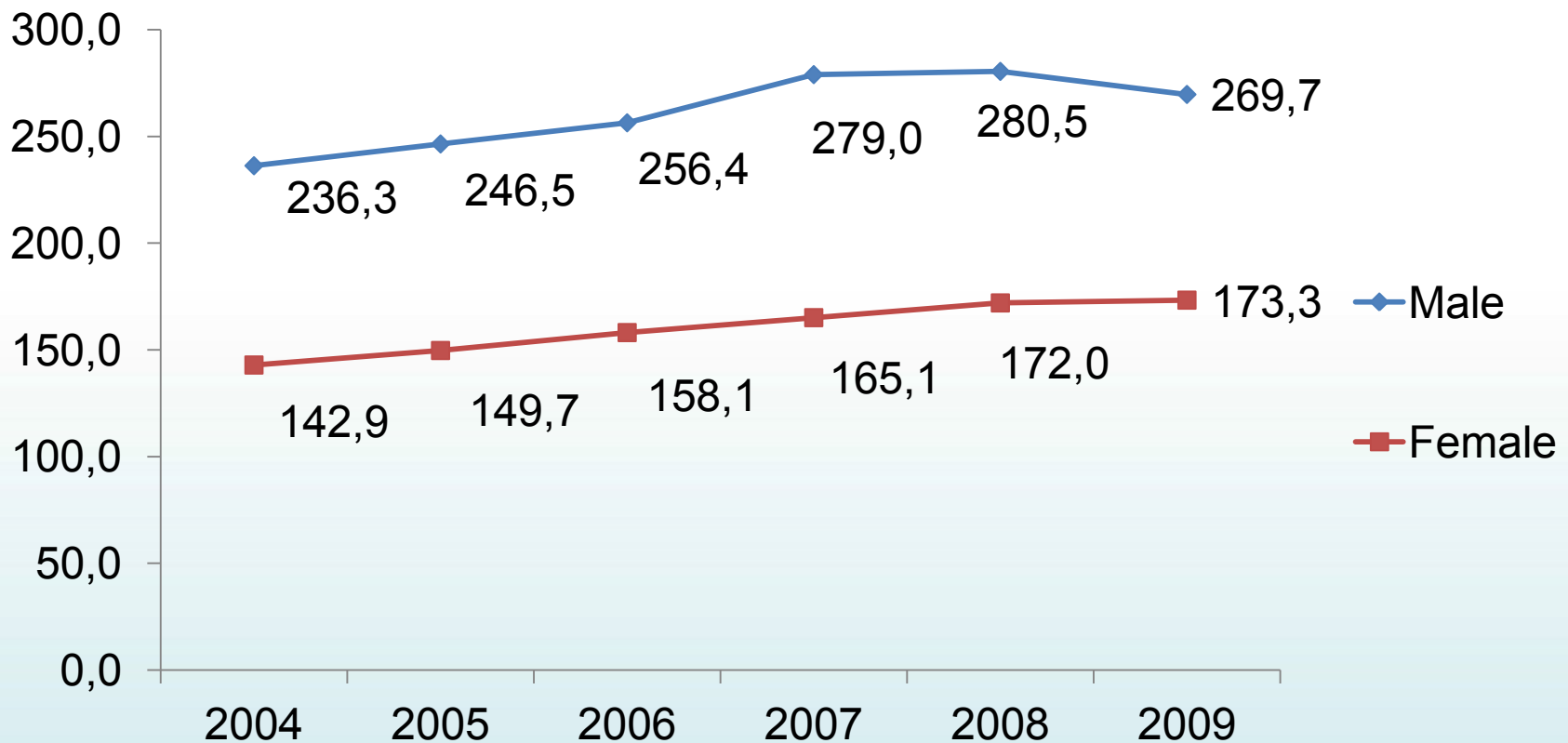
## Comparison of Turkey and World (Globocan-2012)



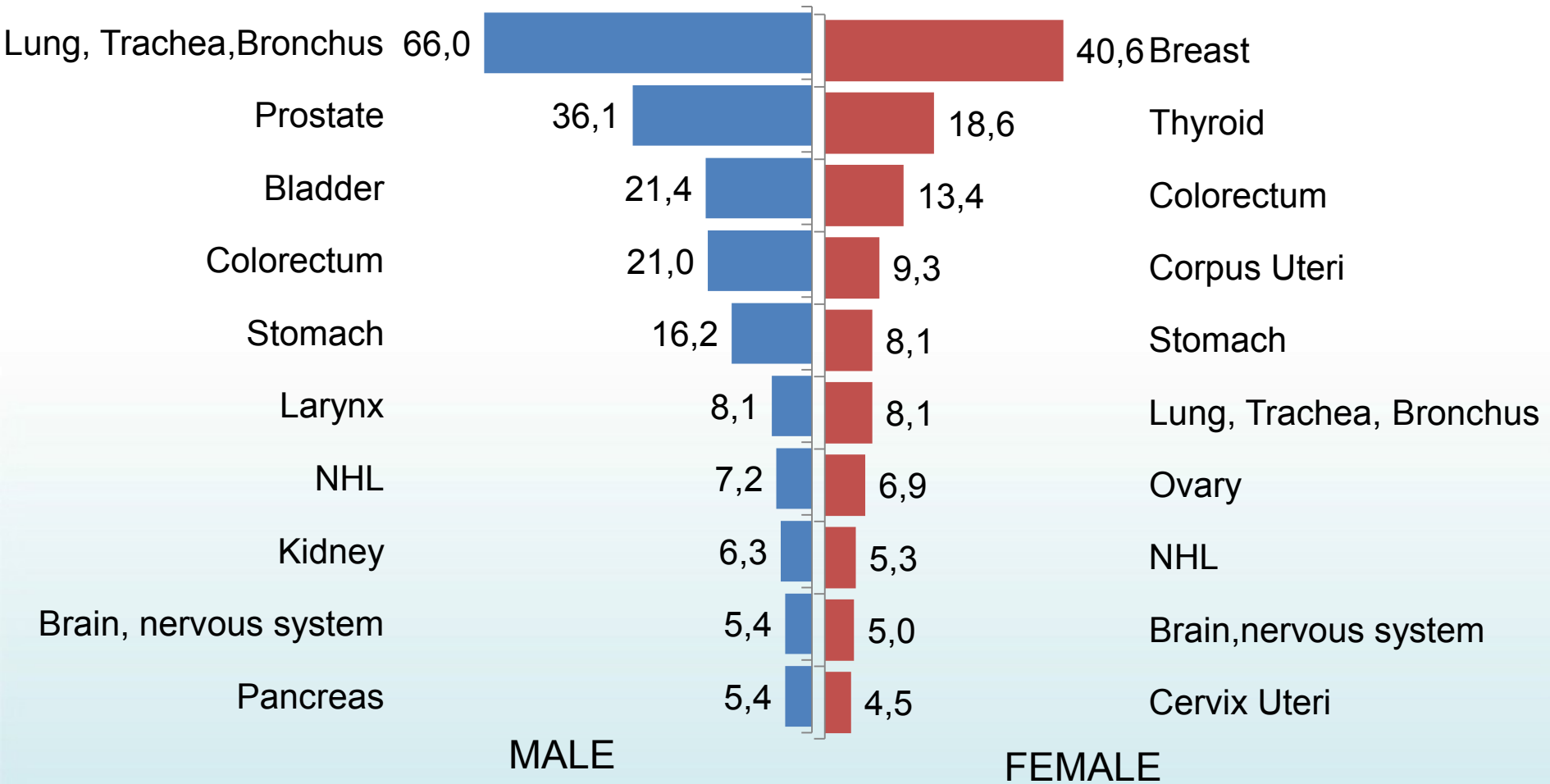


# Cancer in Turkey

## 2004-2009 Age-Standardised Incidence Rates

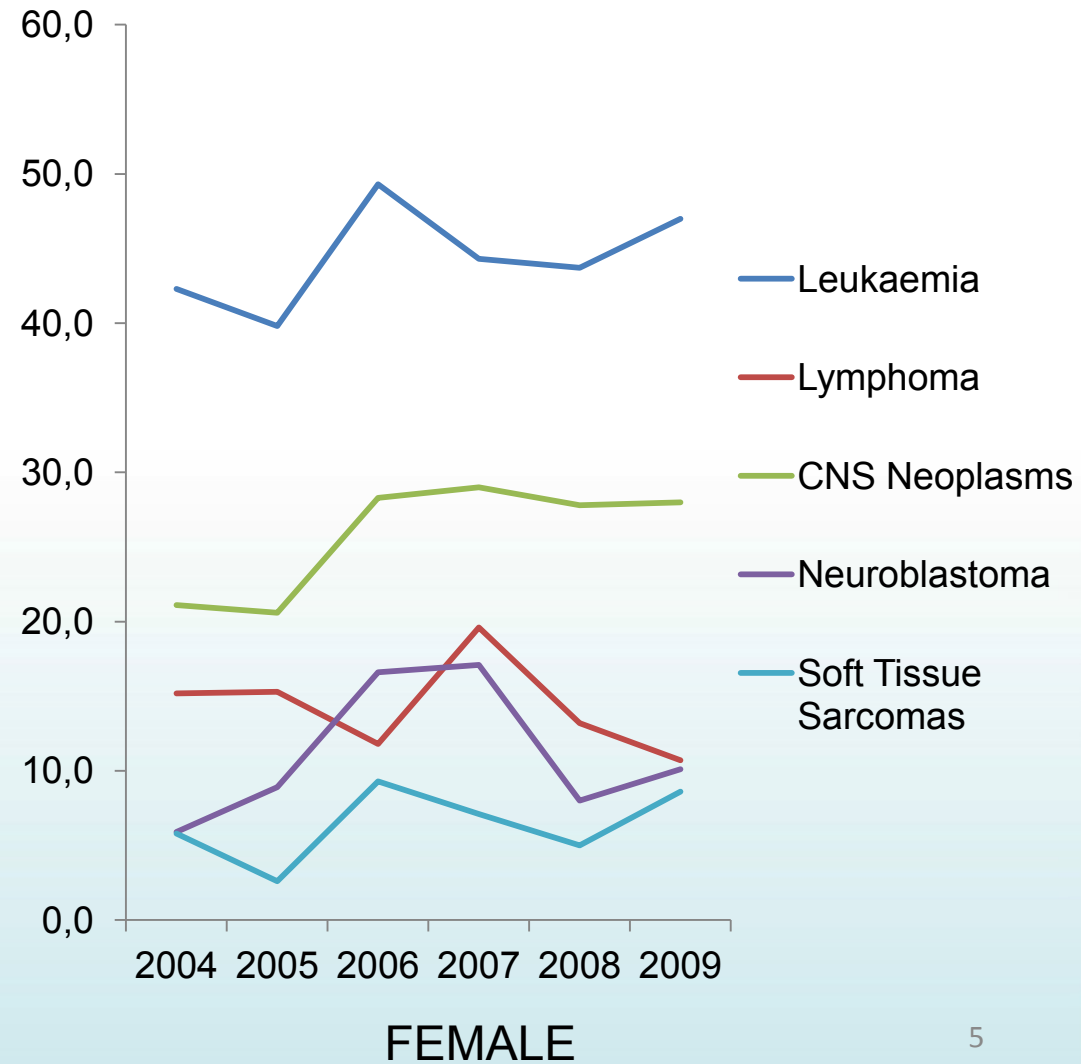
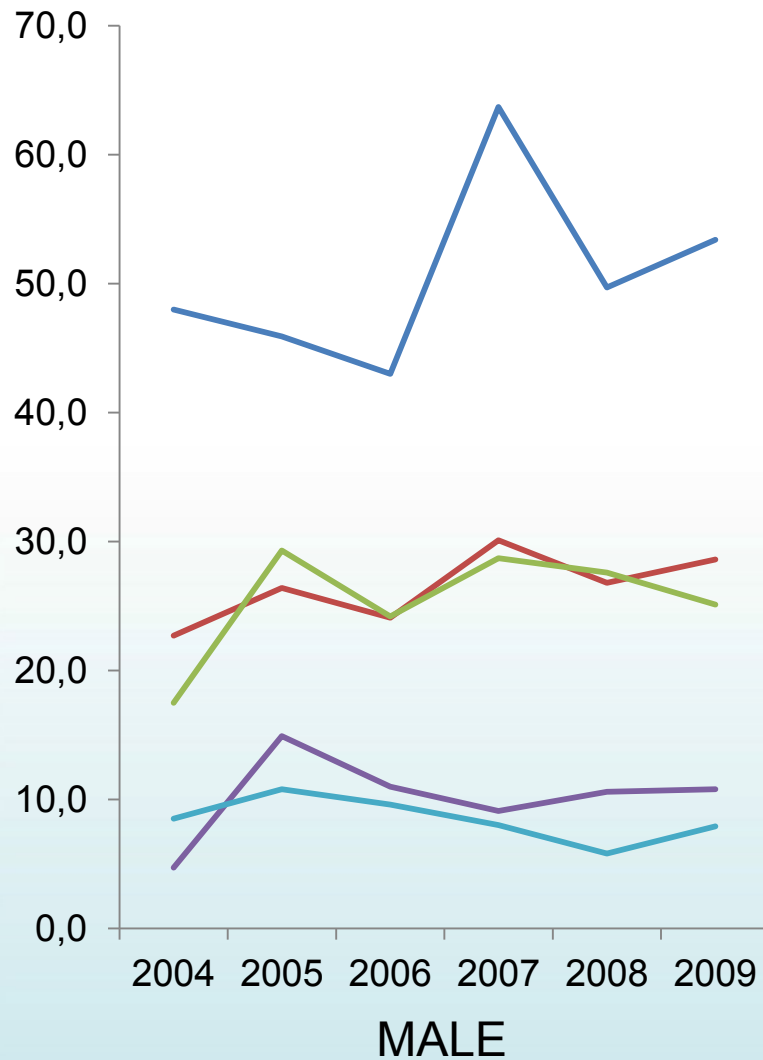


# Most Frequent Cancer seen in Turkish Male and Female

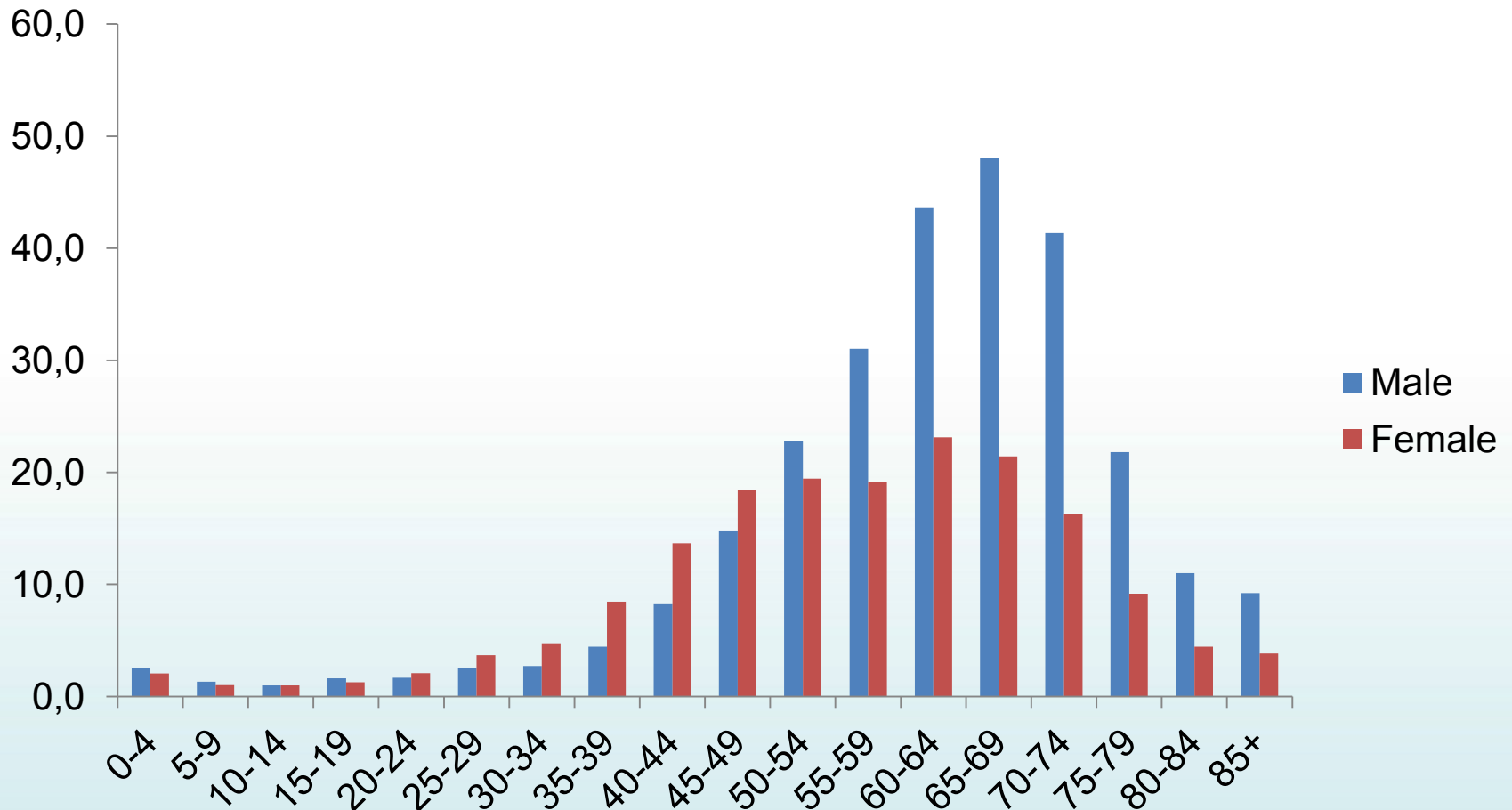




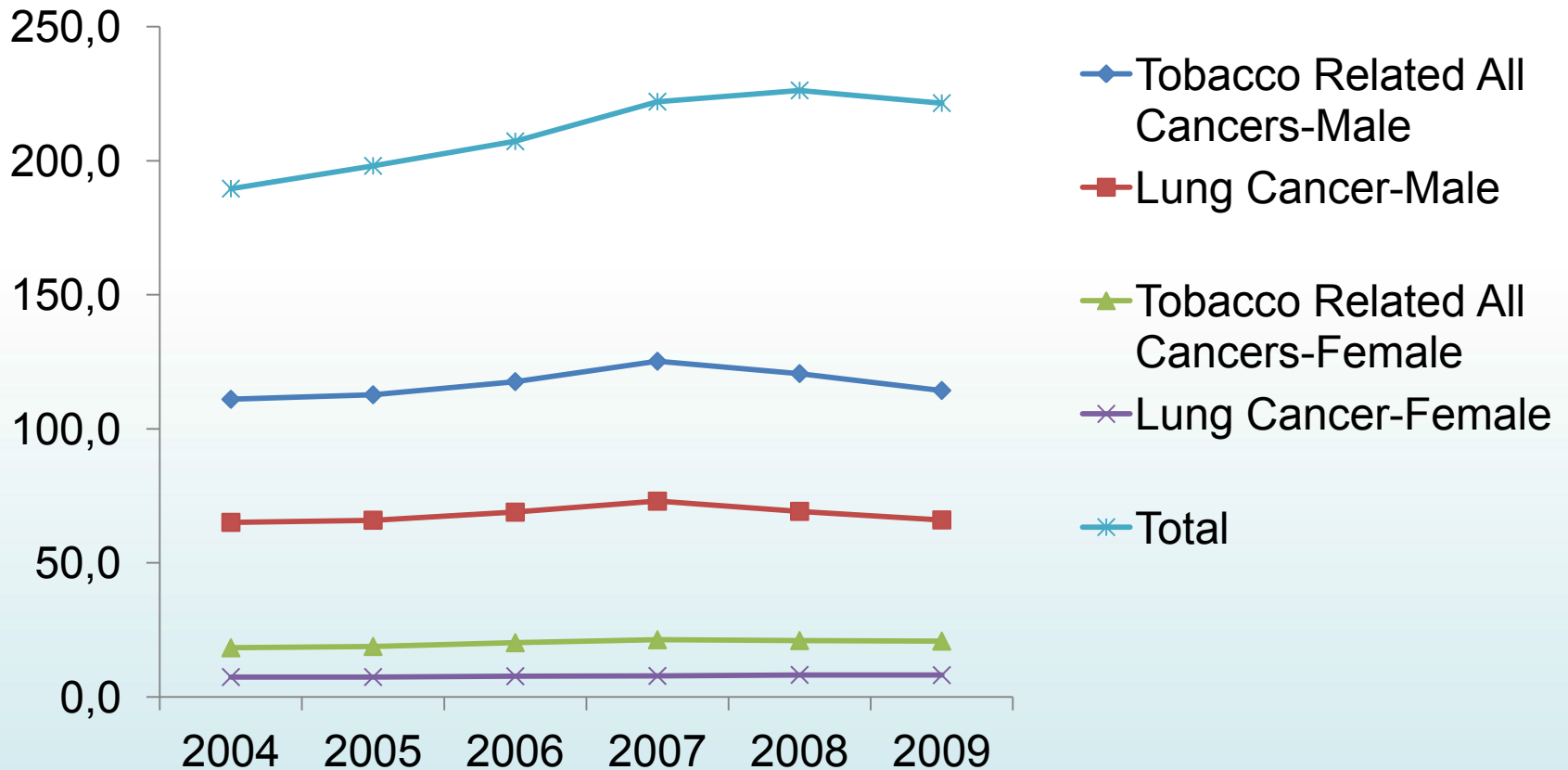
# Childhood Cancer



# Age Distribution For All Cancers in Turkey (2009-ASR)



# Tobacco Related Cancers in Turkey



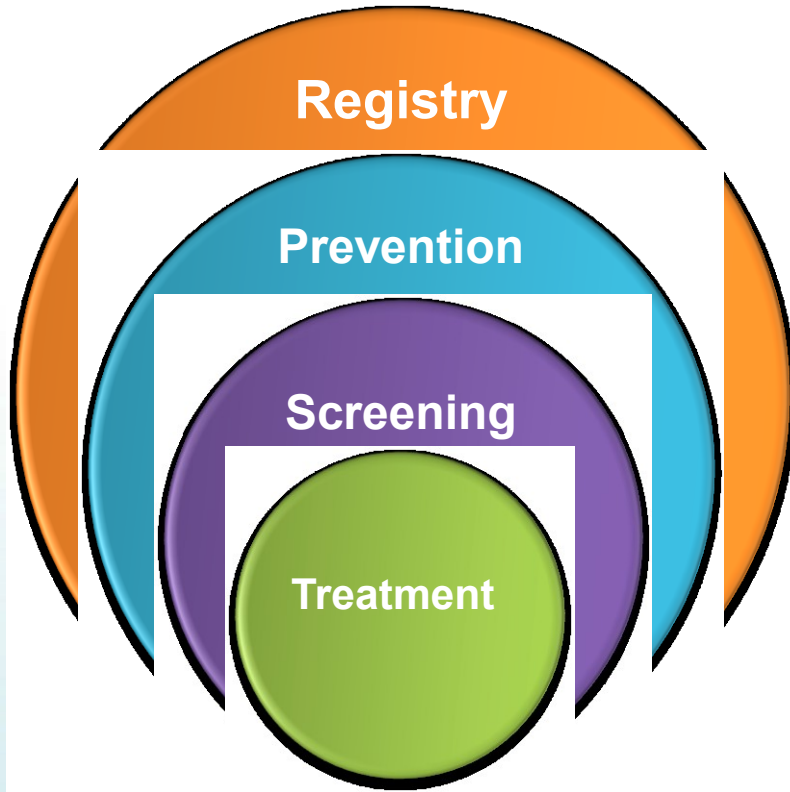


# Medical Oncology Education in Europe



# Cancer in Turkey

## National Cancer Control Program Phase I 2008-2012, Phase II 2013-2017



Registry

Community-Based Active  
Registration Centers  
Epidemiological Studies

Prevention

Tobacco Control  
Obesity Control  
Environmental Impacts  
Health Promotion

Screening

Breast  
Cervical  
Colo-rectal

Treatment

Treatment  
Palya-Turk

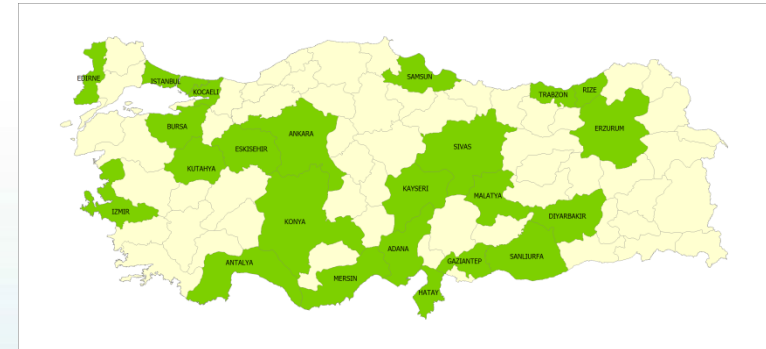


# Cancer Registry in Turkey

# Cancer Registry in Turkey

- ACTIVE CANCER REGISTRY

	The Coverage Rate
In the World	%8
In Turkey	%50



**2012**  
%50

**2013 OBJECTIVES**  
%62

**2014 OBJECTIVES**  
%100



# Cancer Prevention

# Cancer Prevention in Turkey

- **NATIONAL CANCER CONTROL PROJECTS**

- Tobacco and Alcohol Control Program
- Healthy Eating and Active Life Program, Diabetes Program
- Turkey Excess Salt Consumption Reduction Program
- Health Effects of Electromagnetic Field Monitoring Project

## **New Projects**

- Strategic Action Plan for Asbestos
- Radon Mapping and Control Program
- Carcinogenic Substances Reports

- **REGIONAL PROGRAMS**

Ergene, Dilovası Tuzköy the Eastern Black Sea.

# Cancer Reports

- 7 months,> 80 research and report
  - BPA, GMO, Phthalate, Formaldehyde, Cosmic Radiation, Naphthalene, Acetone, Brazil Fund, Artificial and Natural Flavors, Monosodium Glutamate, Shampoos, Detergents, Hair Dyes, Epikloridine, Electronic Cigarette, Mobile Phones, Base Stations, Wireless Internet Access, Tablet PCs, High Voltage Lines, Hydroelectric Power Plants, Aronia melanocarpa



# Cancer Screening

# Cancer Screening in Turkey

## SCREENING THE NATIONAL STANDARDS.

### Breast

#### Women's self-examination

Over age 20, once a month  
The doctor breast examination

Over age 20, two years

Over 40 Years of Age, years

Mammography

From ages of 40-69, 2 years

### Cervix

#### Smear Test

From age 30-65, 5 years

#### HPV Test

From age 30 to 65, 5 to 10 years

### Colorectal

#### Fecal Occult Blood Test

From Age 50-70, years

#### Colonoscopy

51 and 61 age, 10 years

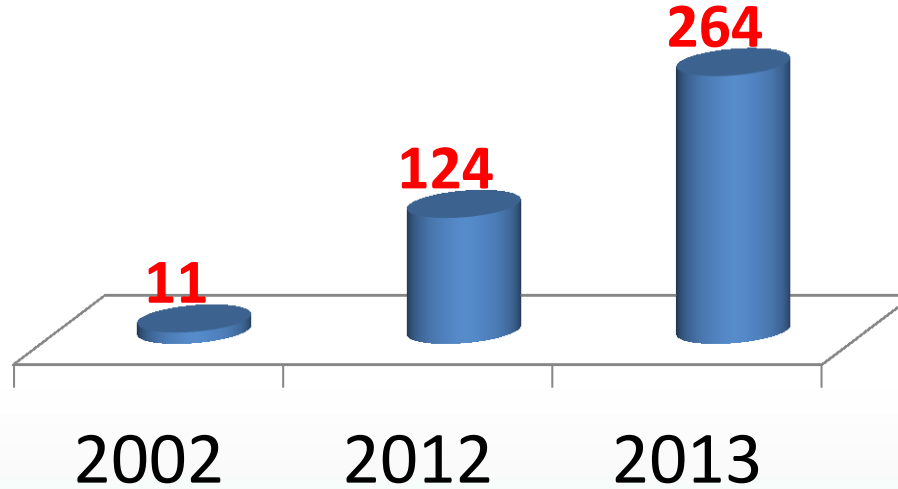
THROUGHOUT THE COUNTRY 130 MOBILE DIGITAL MAMMOGRAPHY,  
TELERADIOLOGY, QUALITY CRITERIA

HPV NATIONAL LABORATORY

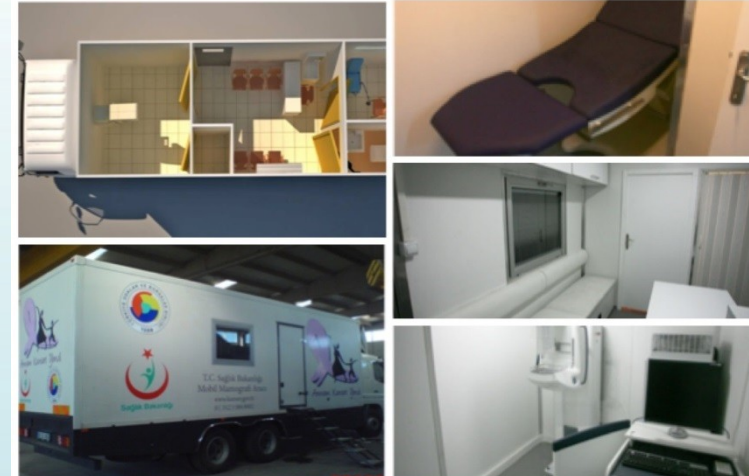
DIAGNOSIS CENTERS

# Cancer Screening- KETEM Turkey

## KETEM (Cancer Early Diagnosis, Screening and Training



New Mobile KETEM  
Family Physicians  
TSM



# Cancer Screening in Turkey

## Only KETEM Screening

Breast Cancer Screening activities **63%** increase (240.000)

Cervical Cancer Screening activities **40%** increase (300.000)

## In whole country:

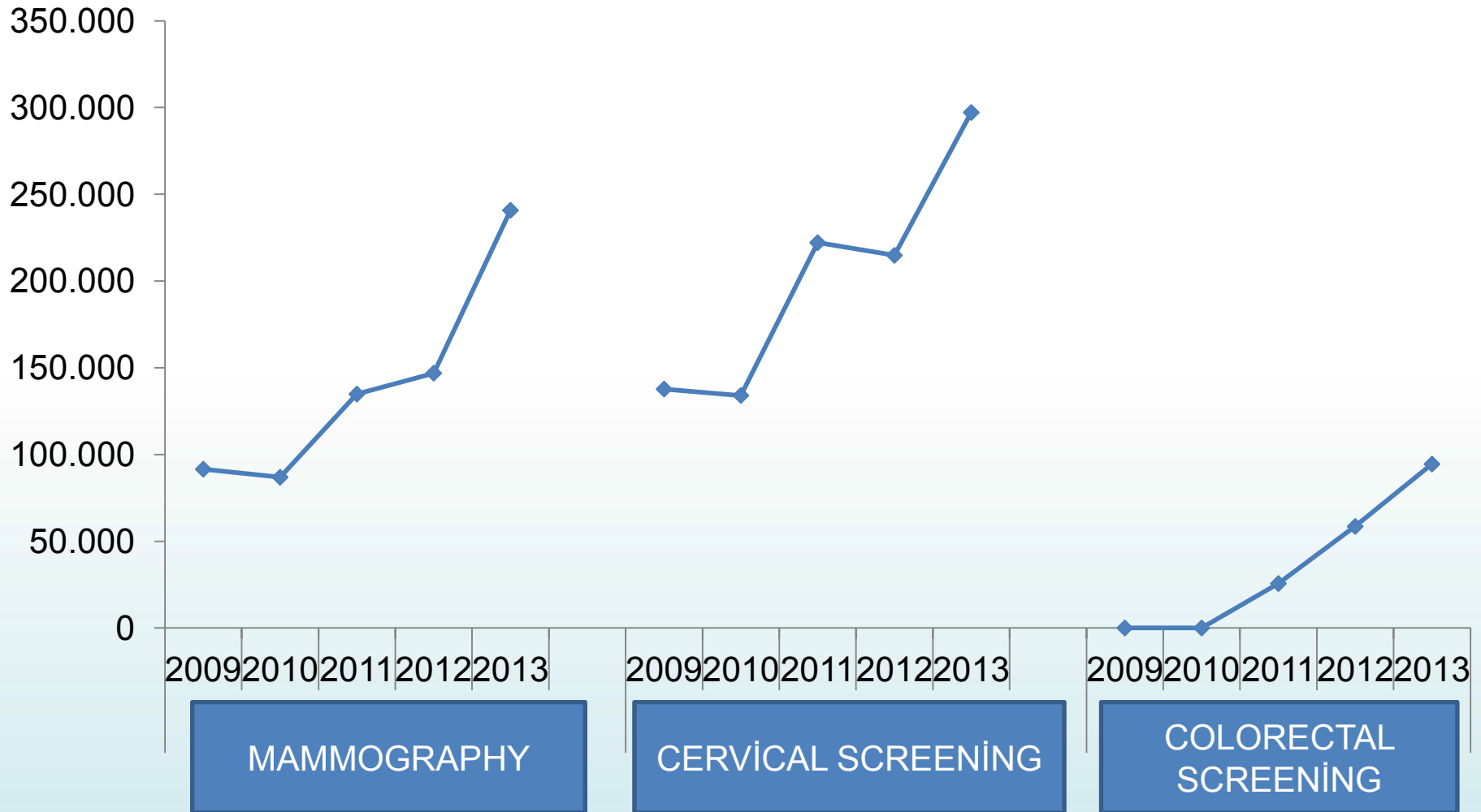
Breast Cancer Screening activities **9%** increase (1.700.000)

Cervical Cancer Screening activities **23%** increase (2.500.000)

Distant metastasis %20

Person lives saved in a year 12.000

# Cancer Screening in Turkey- Only KETEM's





# Treatment and Palliative Care

# Cancer Treatment Targets in Turkey

- National Drug Policies

## Domestic Pharmaceutical

- The cost-effectiveness of treatment centers, high-tech and strategic analysis and planning to Radiotherapy, Nuclear Medicine, Robotics centers Chemotherapy, Proton RTX
- Chemotherapy and Palliative Care Center
- Robotics Center Chemotherapy Preparation Units
- Bone marrow transplant centers
- To avoid unnecessary treatments and inadequate preparation of national guidelines, the National Reference Centers
- The development of health tourism
- Fertility Protection Centers

# Palliative Care in Turkey-

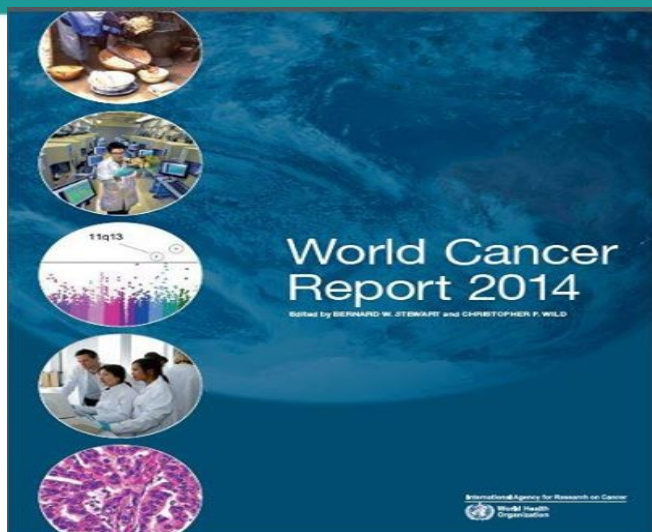
## PALLIA-TURK

### Palliative Care Services and Centers

- Patient Rooms
- Patients' relatives Rooms
- Kitchen
- Massage and Physiotherapy Room
- Psychotherapy Room
- Internet and Game Room
- Personal Care Room
- Meeting Room
- Worship and Religious Officials Rooms
- Pastime (Hobby) Room

### Planning

- Central Properties
- KPBM across the country, PBM and PBHB Planning (2013-2015)
- SB Centers is designed to cover the minimum needs.
- > Establishment of 290 planned office



## Cancer control in Turkey: an encouraging national cancer control plan for the future

Ezgi Hacikamiloglu, Guledal Boztas, Murat Gultekin, and Murat Tuncer

Turkey's national cancer control programme, which was prepared and initiated in cooperation with national and international organizations to decrease the number of cancer-related deaths, consists of four main pillars: cancer registry activities, cancer prevention, cancer screening and early diagnosis, and cancer treatment and palliative care.

### Cancer registry activities

Since 2002, in conjunction with passive registration, active cancer registration has also been implemented. There are 16 active cancer registration centres in 15 cities in Turkey (50% population coverage). Currently, four of the active registration centres are accredited by IARC. The cancer registration

Programme. The National Tobacco Control programme, which was started in 2008, is extremely successful with excellent outcomes. Tobacco consumption rates decreased from 33.6% to 27.5%, and Turkey became the first country in the world to implement all the tobacco control measures of MPOWER [1–3].

### Cancer screening and early diagnosis

A Cancer Early Diagnosis, Screening, and Training Centre has been opened in each city in Turkey. Population-based screening and public training programmes about breast, cervical, and colorectal cancers are being organized within these centres totally free of charge. In 2012, the national cancer screening standards were revised as fol-

### Cancer treatment and palliative care

Cancer treatment is free of charge for all citizens in Turkey, and all standard treatments are available in the country. Treatment facilities are implemented according to the 2023 strategic investment plans, according to the disease burden, geographical transportation, and population dynamics. Also, domestic production of some chemotherapeutics and opioids has already started. One of the basic essentials for palliative care, which was started in 2010, is providing health care at home. This service is also being provided for terminal-stage cancer patients. Palliative care legislation has been prepared and is planned to be launched by the end of 2013. In addition, opioid legislation is be-



## State of Oncology in Turkey, 2013

Turkey is a Eurasian country that straddles the Asian and European continents. It is bordered by eight countries, and has significant geostrategic importance. Turkey has an average population density of 93 people per square kilometre. The population of Turkey is 71,517,100 with a growth rate of 1.31%, based on the December 31st, 2008 Population Census (Turkey Health Statistics, 2008). The proportion of the population residing in urban areas is 75%. In Turkey, half the population is under the age of 28.5, and 66.9% of the total population is in the 15-64 age group. The 0-14 age group corresponds to 26.3% of the total population, while the 65 and over age group corresponds to 6.8% of the population (Cancer Control in Turkey, 2009). In view of the crowded population structure and a cancer incidence of 227/100,000, Turkey has accelerated its cancer fighting activities. This chapter summarizes Turkish Cancer Control activities with a short emphasis for oncological nursing facilities in the world.

# International Relations

- IARC
- NIH-NCI
- UICC
- MECC
- ANCCA
- WHO EMF Scientific Board
- APOCP
- IPRI
- ESGO
- ENPIGO
- Black Sea Coalition for Breast and Cervical Cancer Prevention



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# Thank You..

