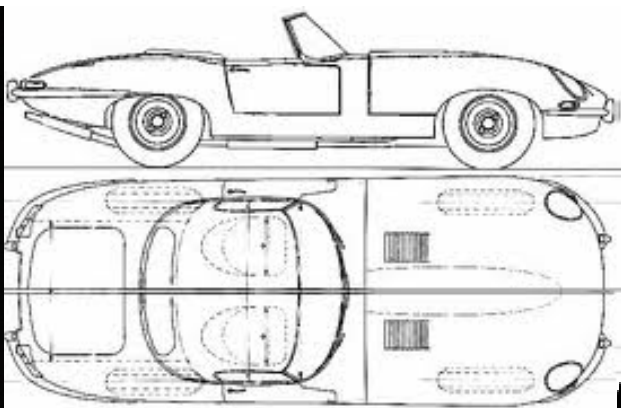




# Trends in cancer incidence in South East England 1960-2009

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# Analysts

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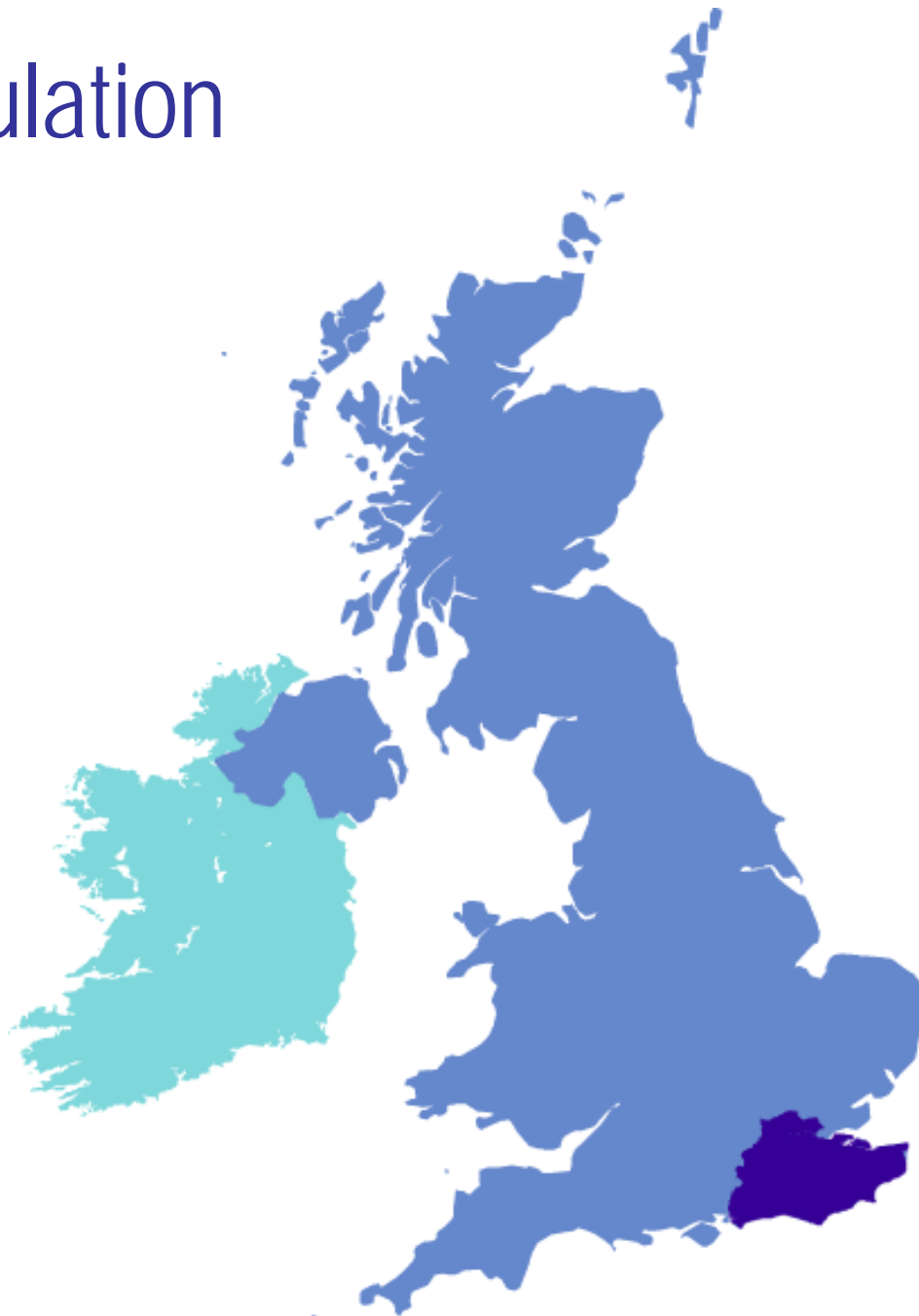


# Trends in cancer incidence in South East England 1960-2009

- Incidence by calendar period 1960-2009
- Incidence by birth cohort (generation) 1900-1950
- Projections by calendar period 1935-2035
- About 50 cancer diagnosis groups



# Population



SE England  
12m population:  
1/4 of England  
1/5 of UK



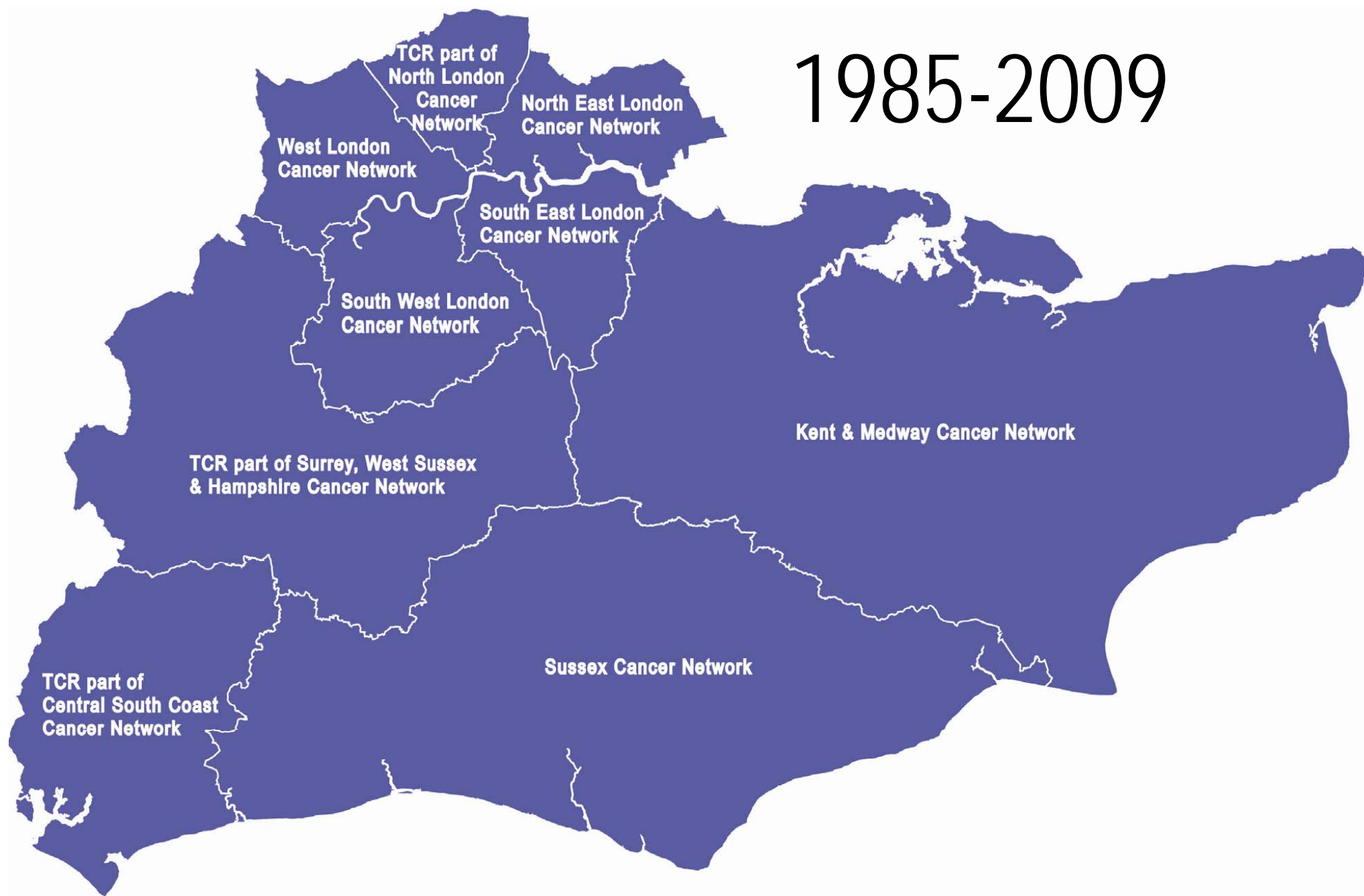


Figure i: Cancer networks in South East England 2008

# 1960-1984

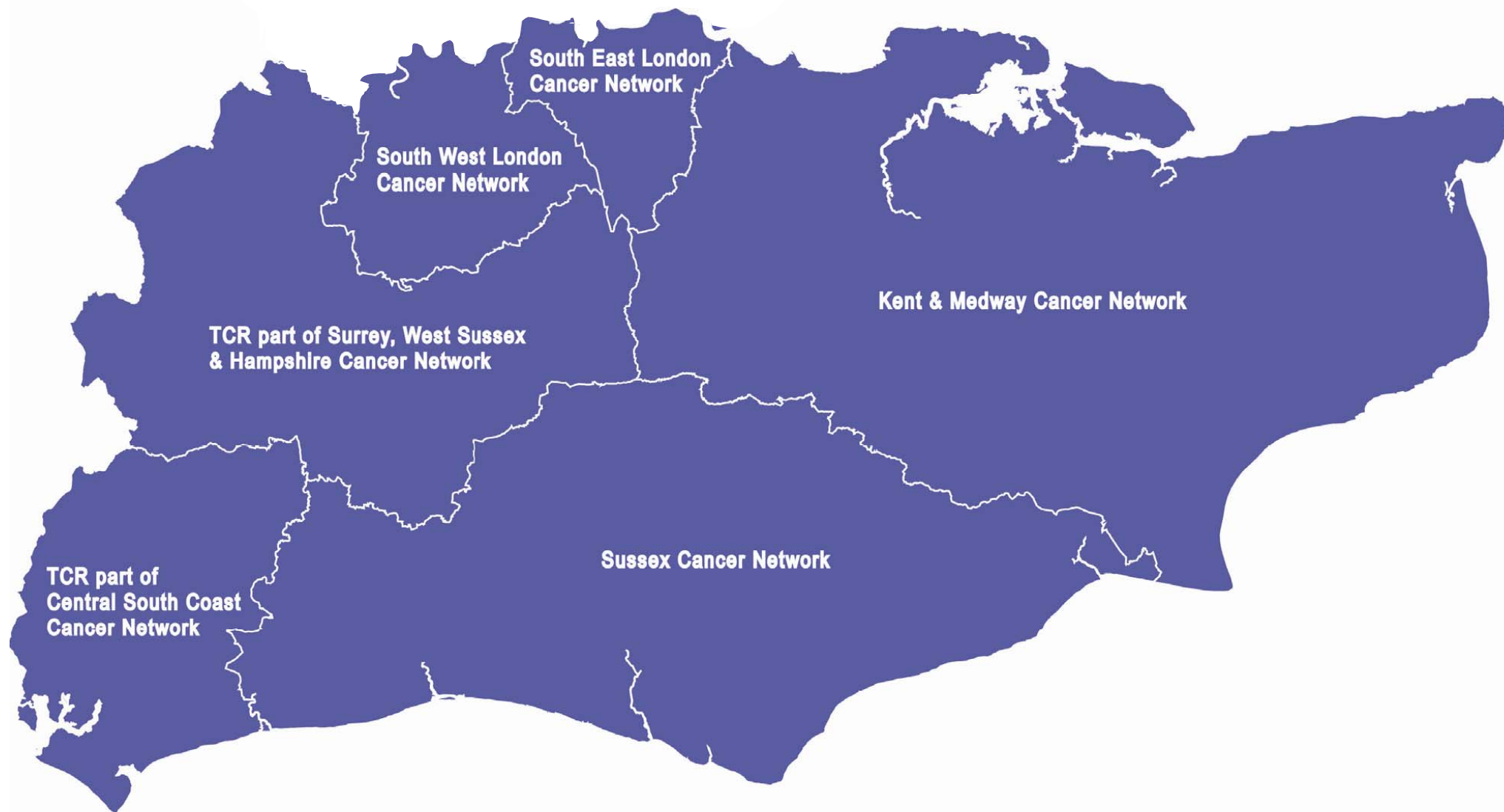
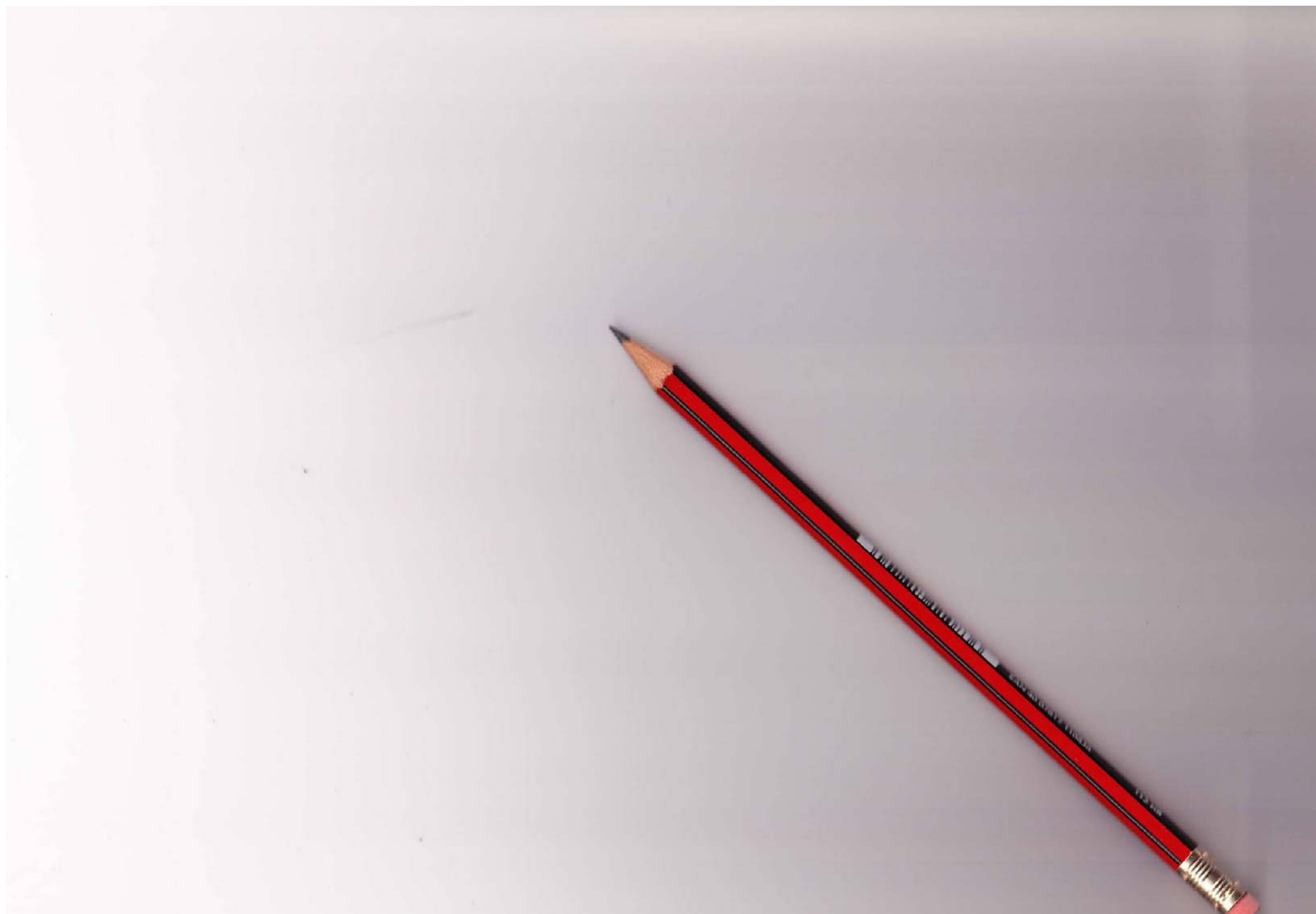
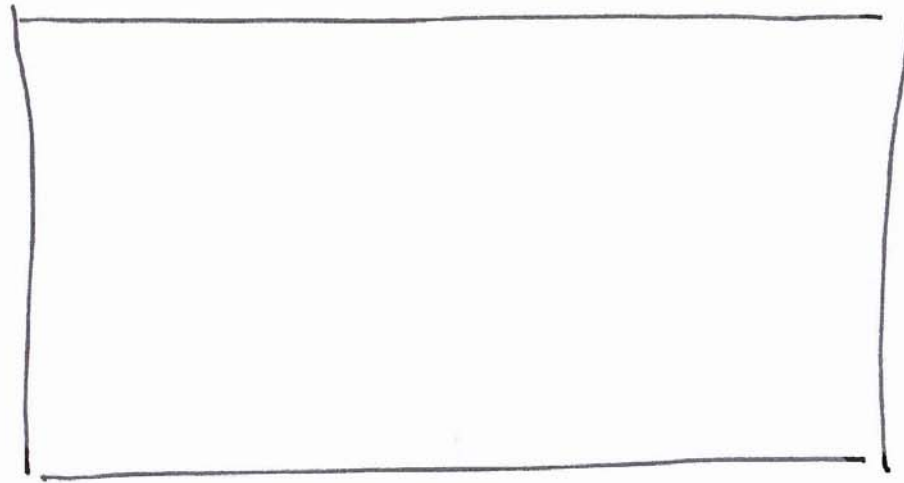


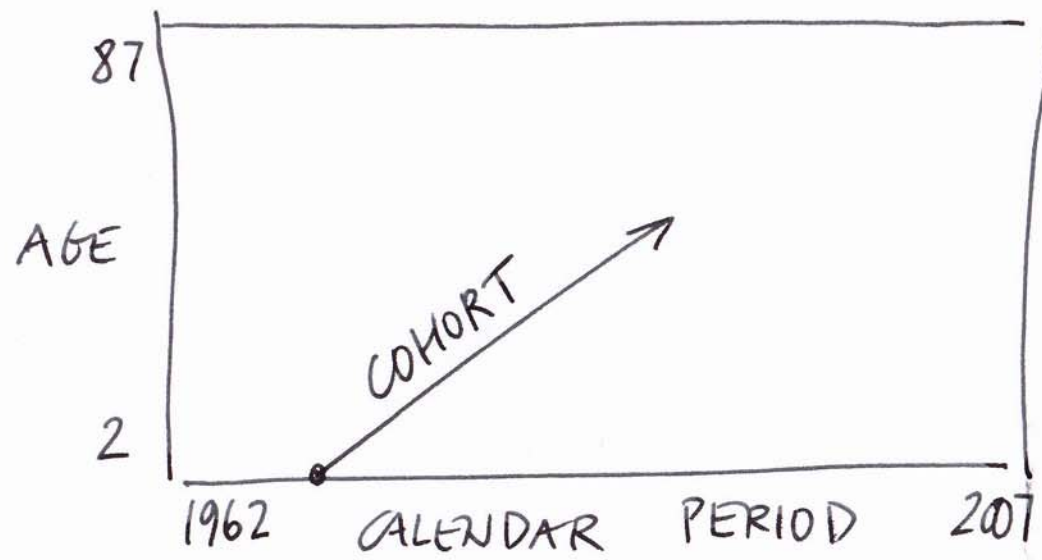
Figure i: Cancer networks in South East England 2008



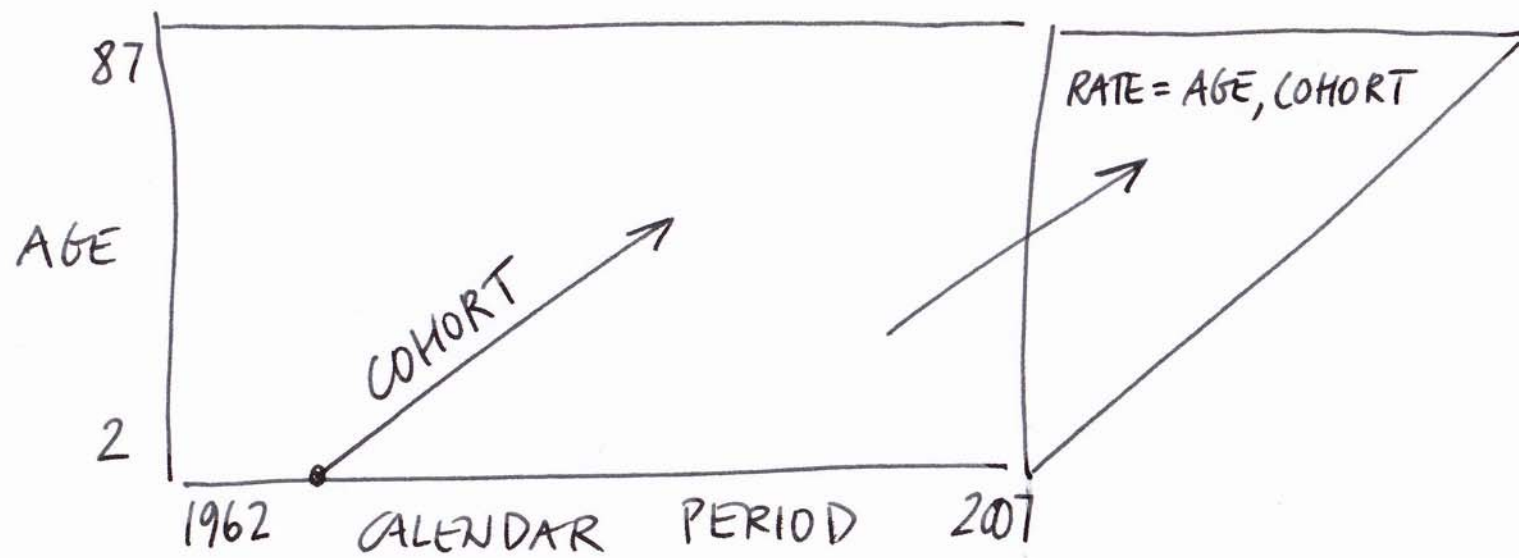


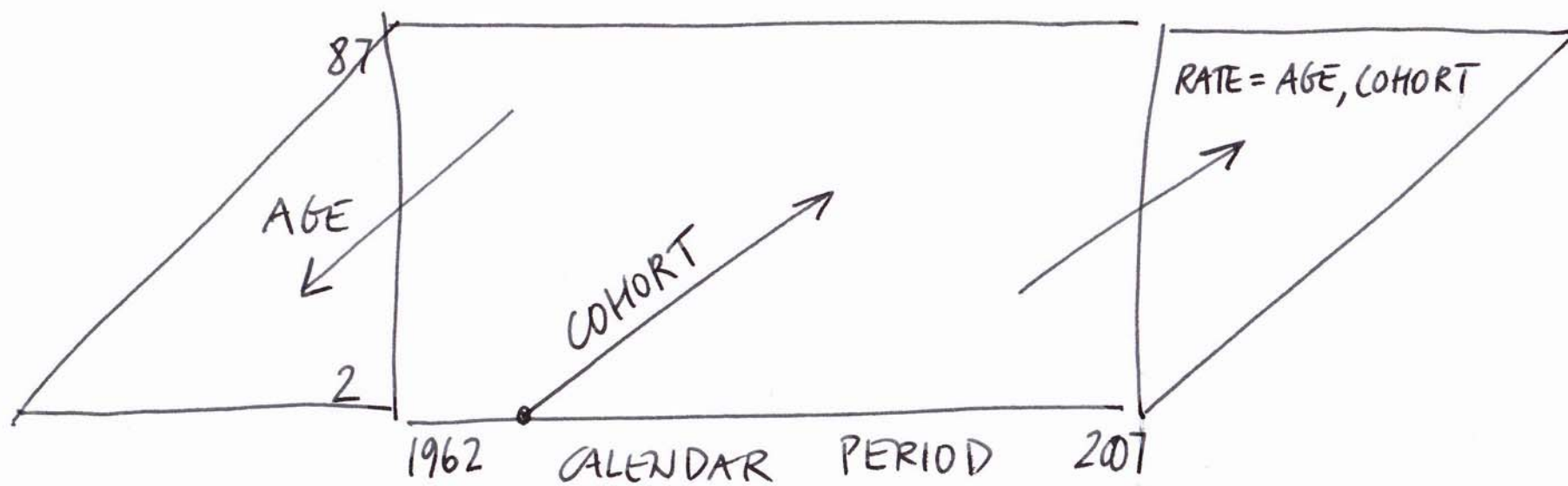


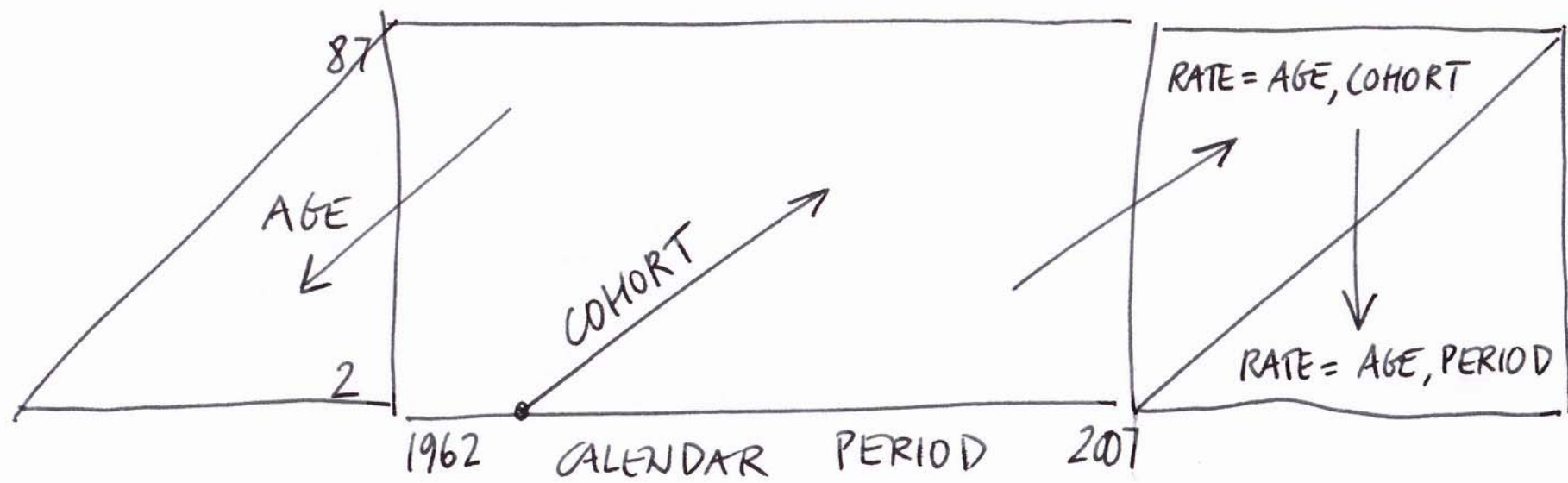


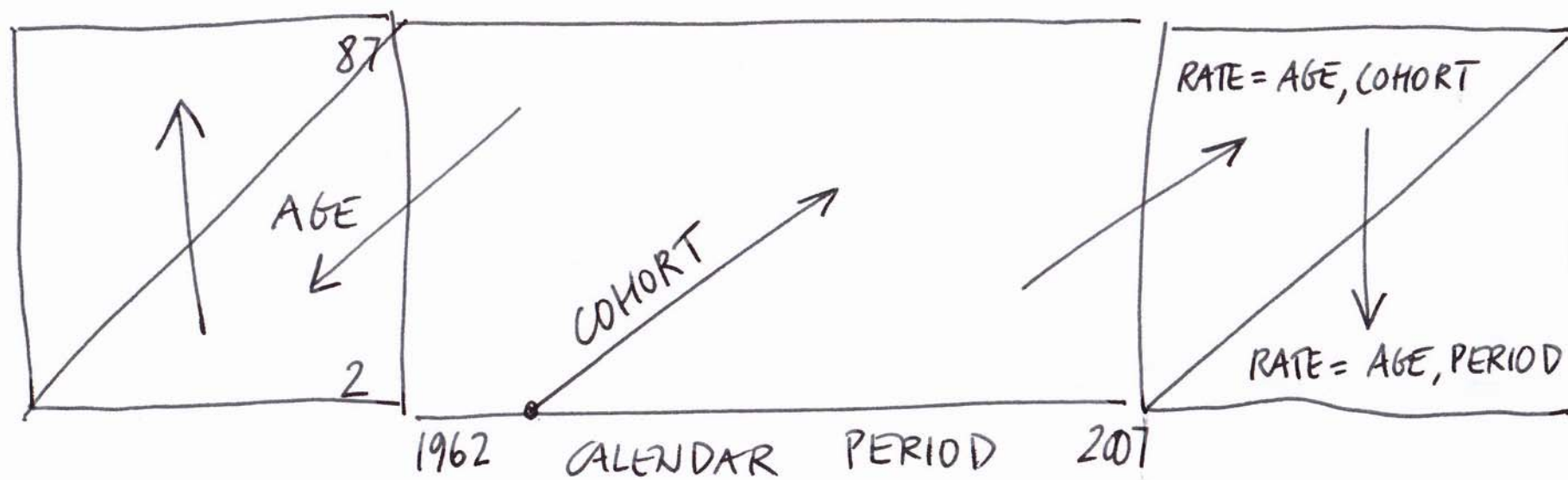




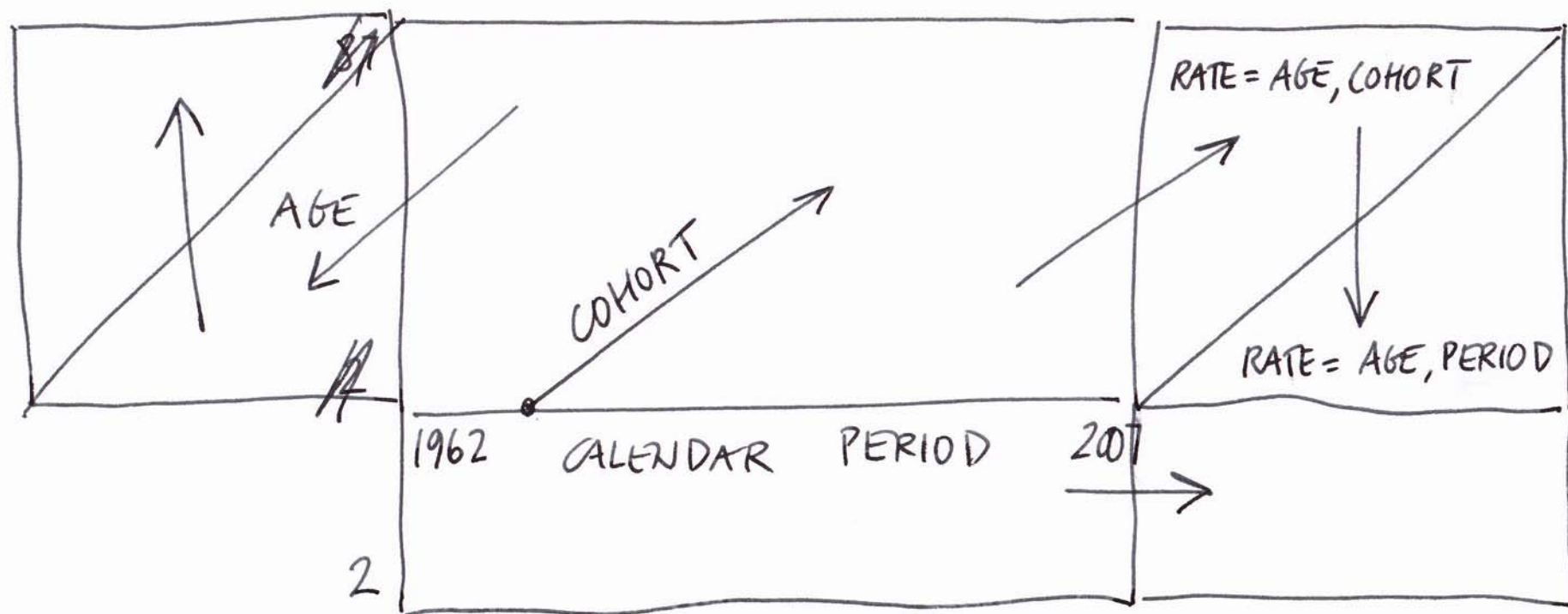


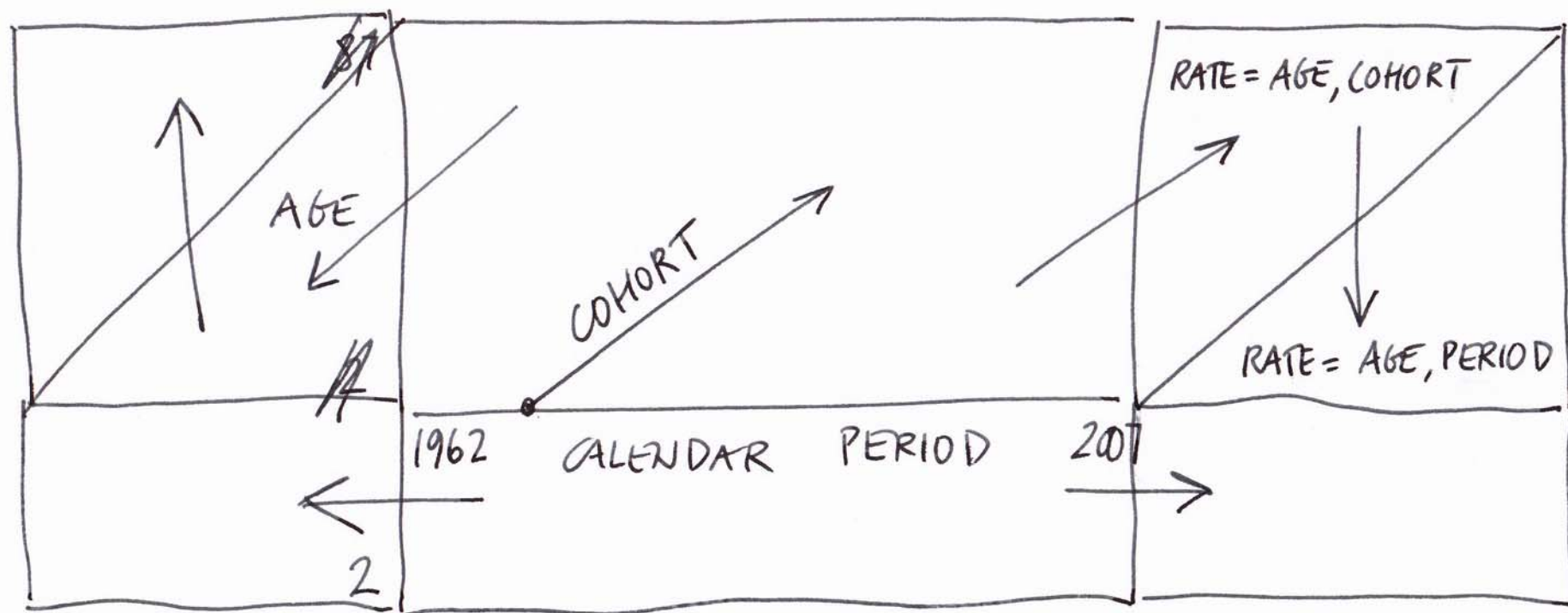


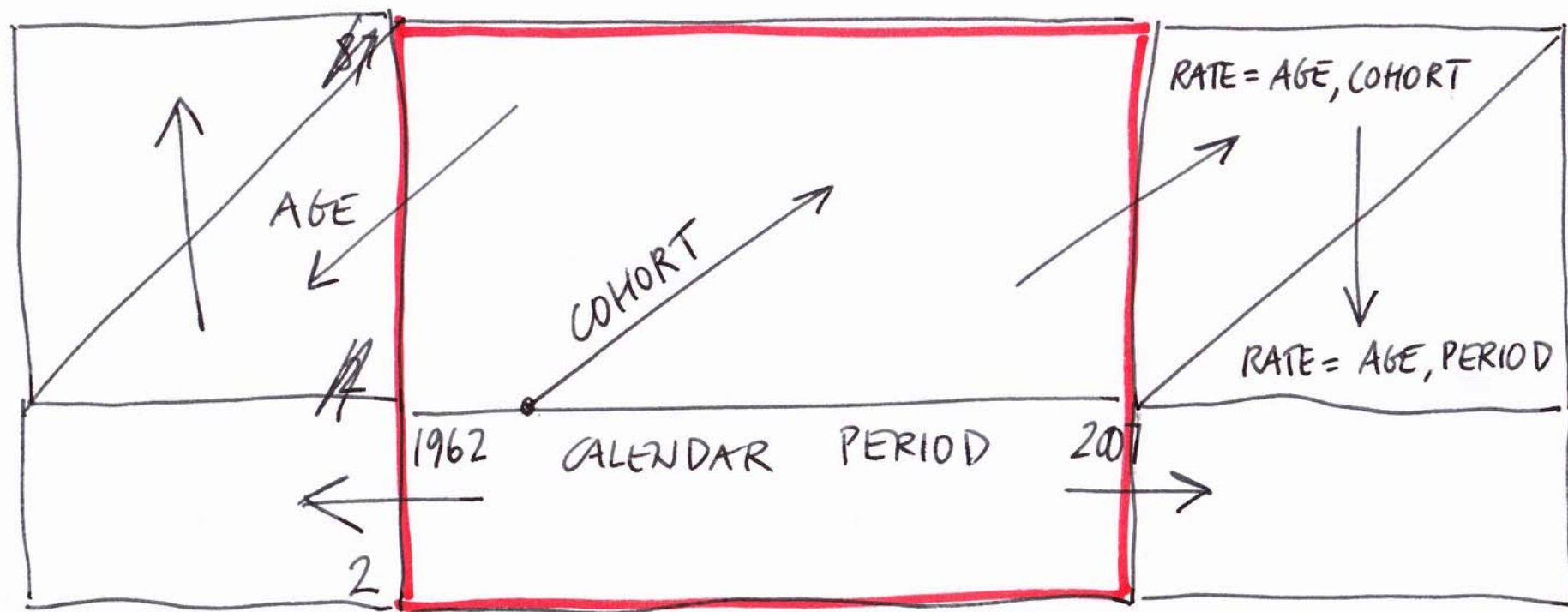




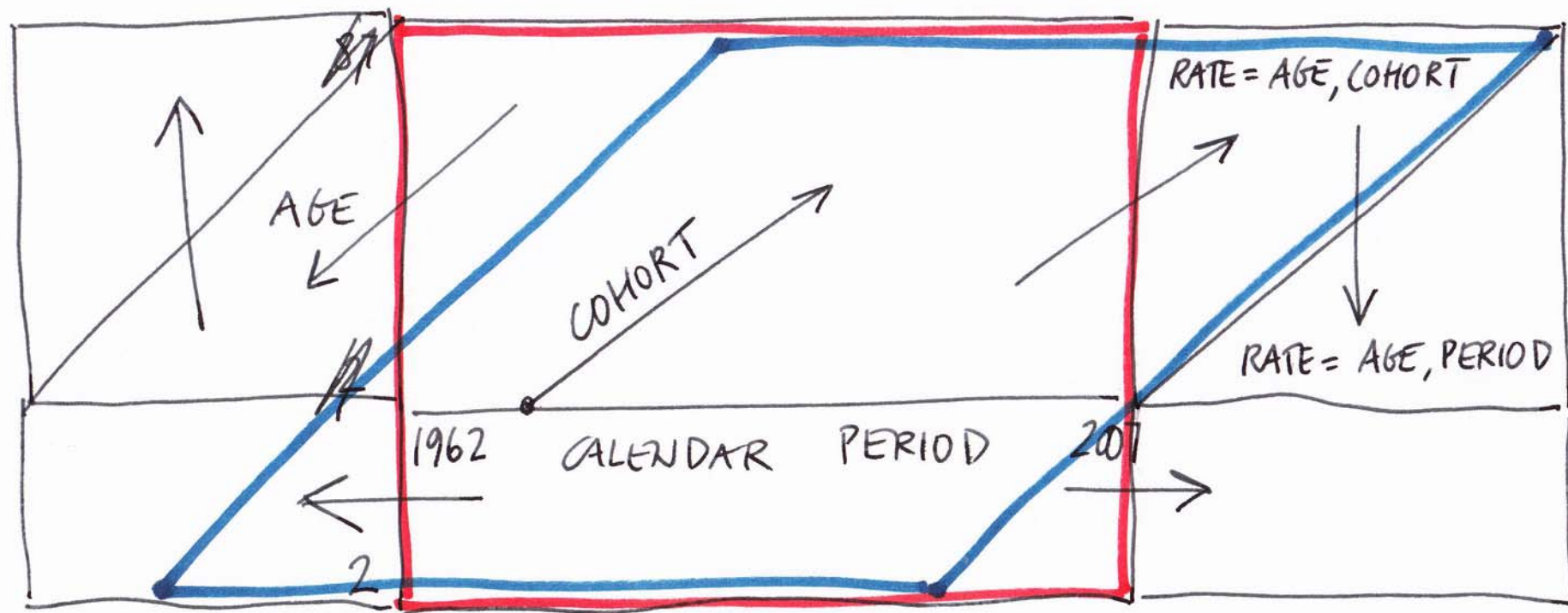






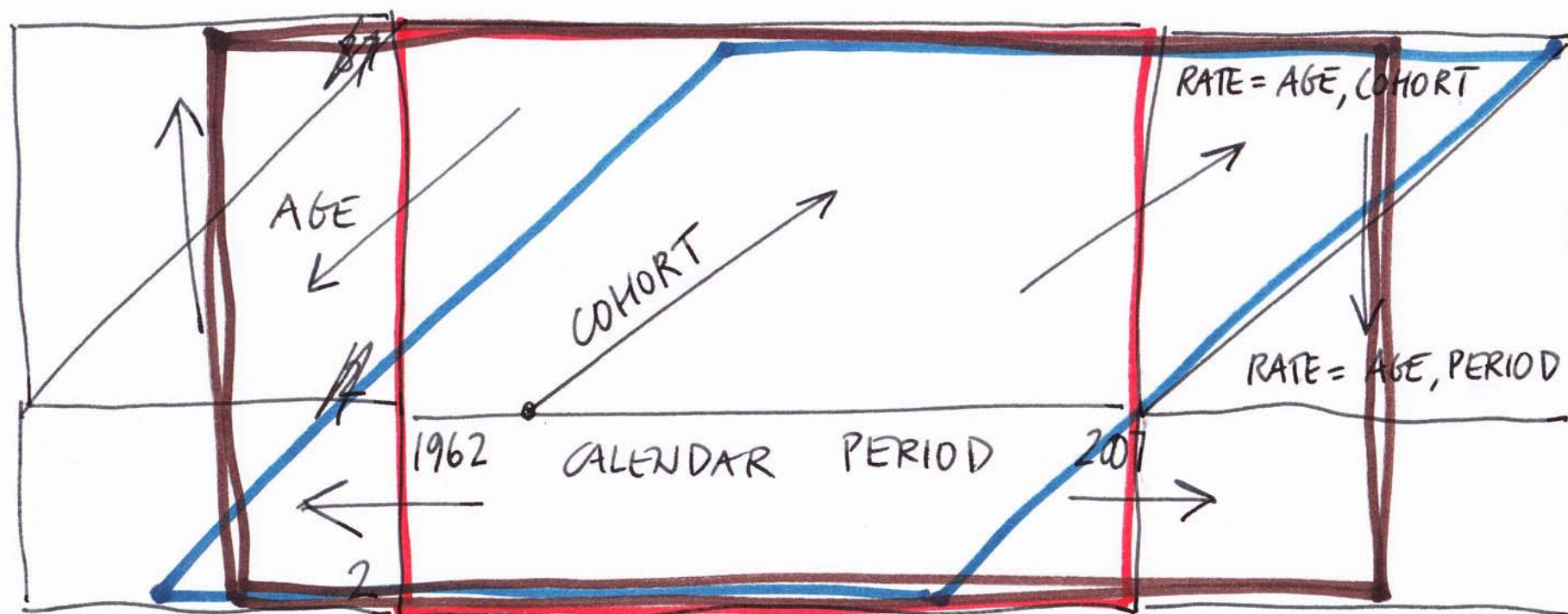


PERIOD TREND



PERIOD TREND  
COHORT TREND





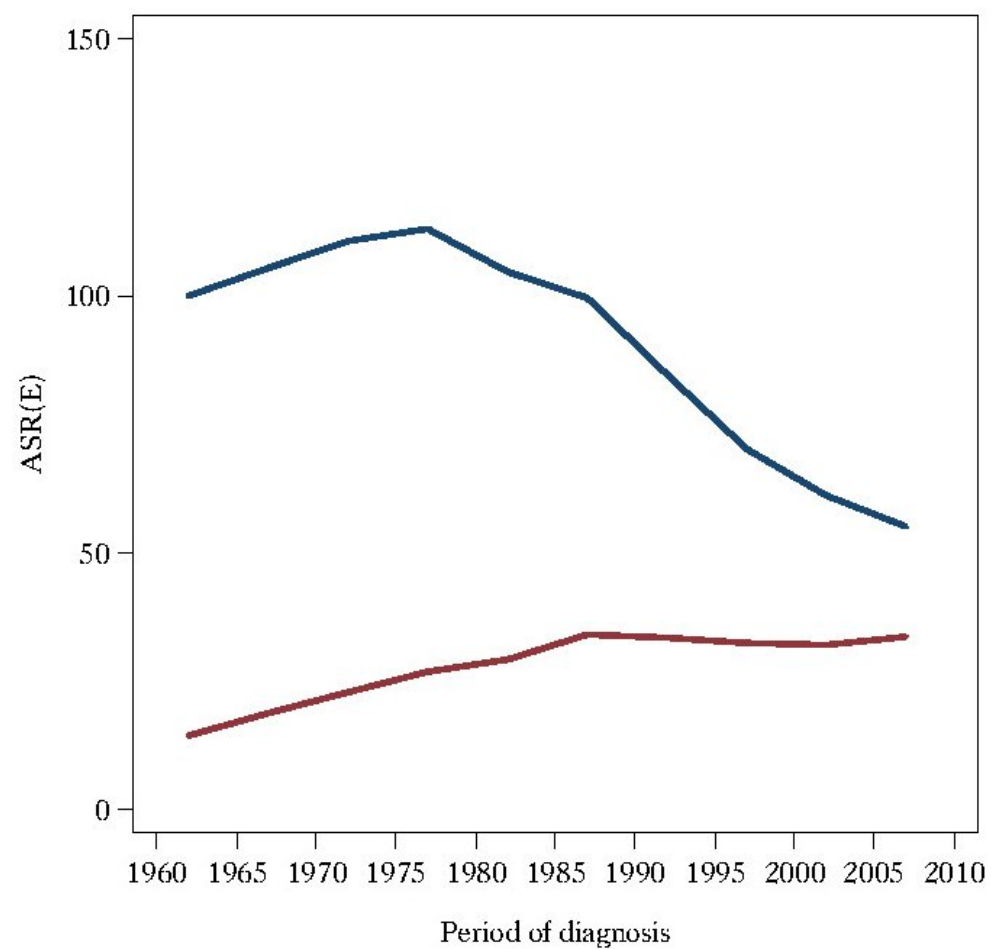
PERIOD TREND  
COHORT TREND  
EXTRAPOLATED  
PERIOD TREND

# Lay-out of results - example

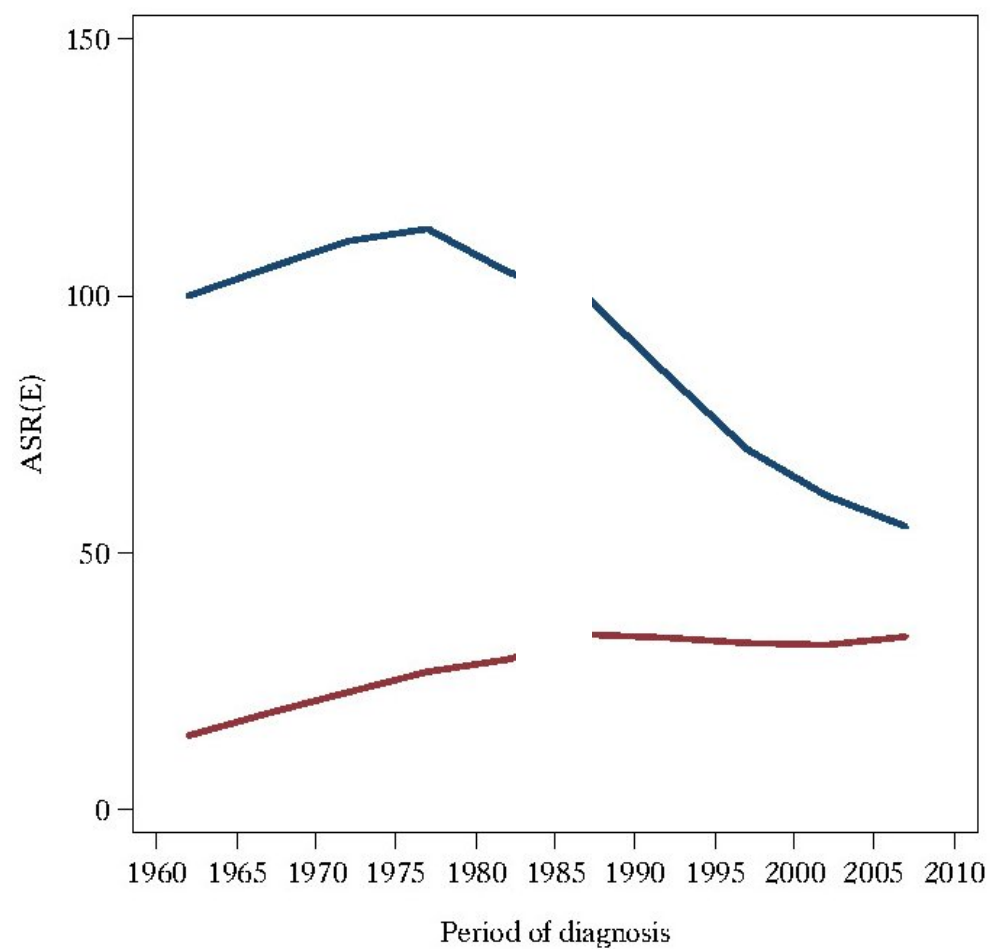
Lung cancer



## Cancer of the lung, bronchus and trachea (C33 and C34)

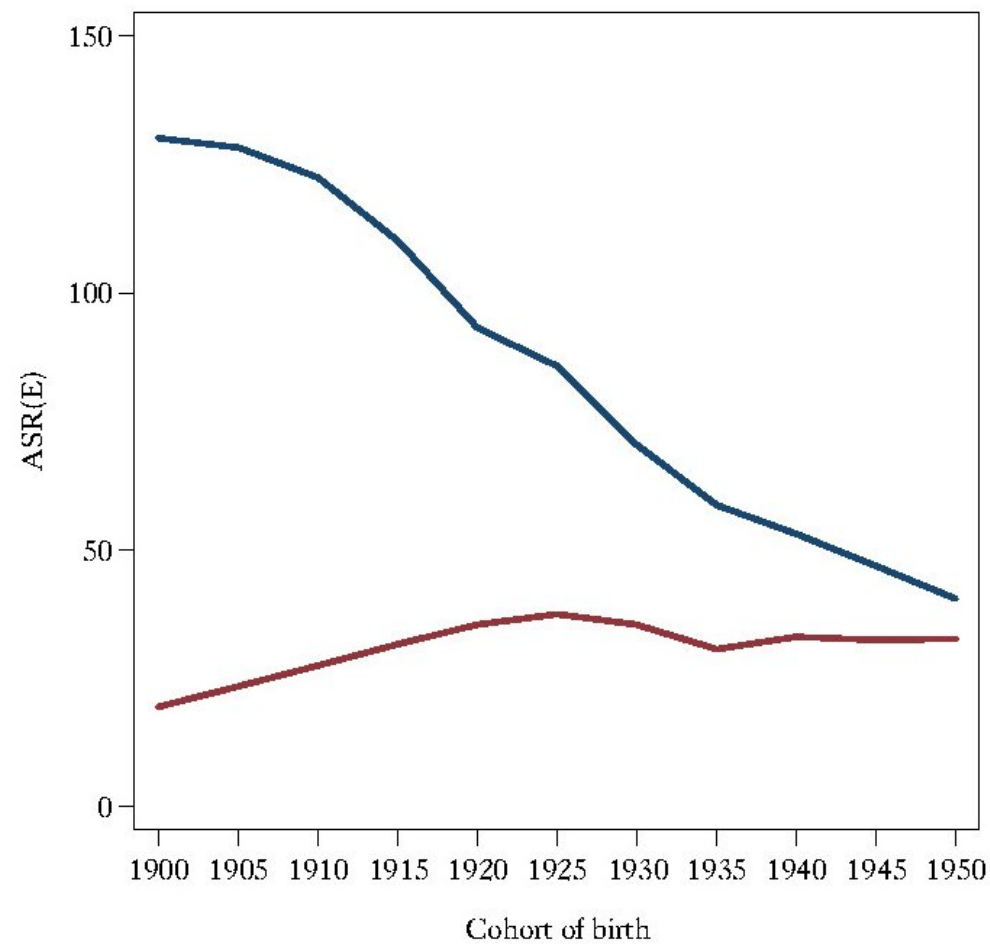
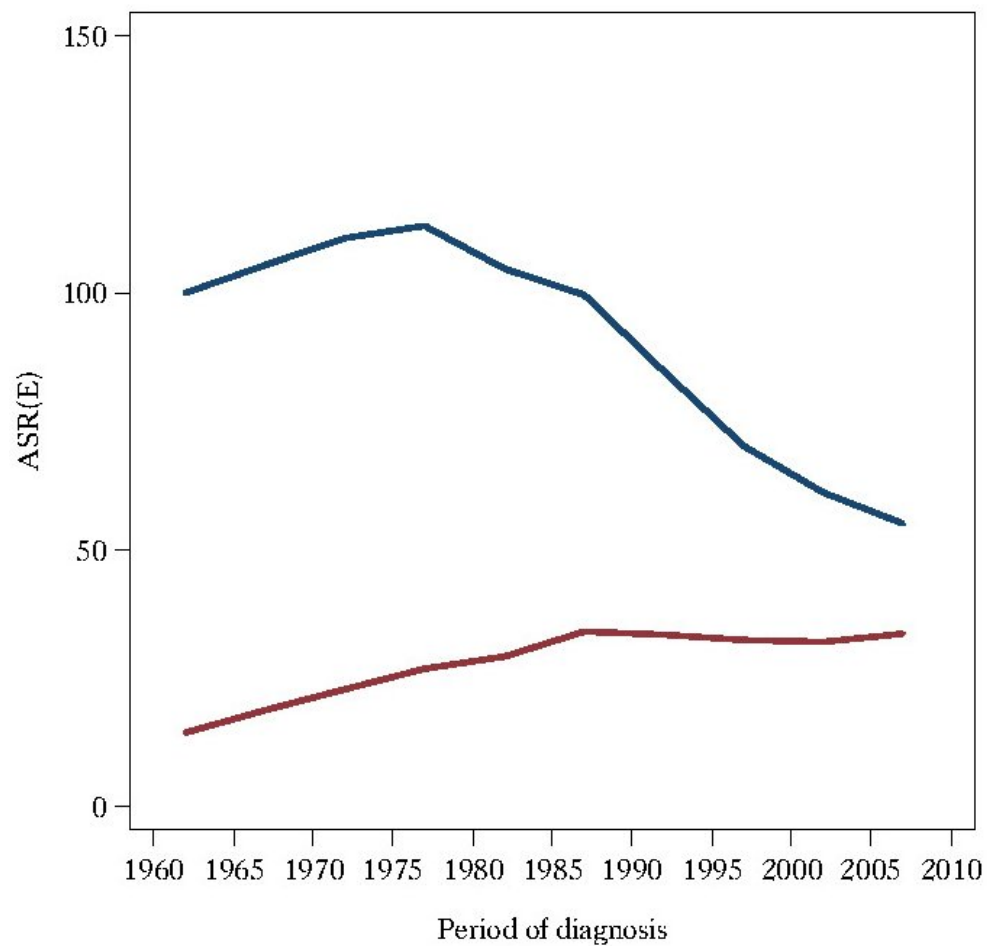


## Cancer of the lung, bronchus and trachea (C33 and C34)

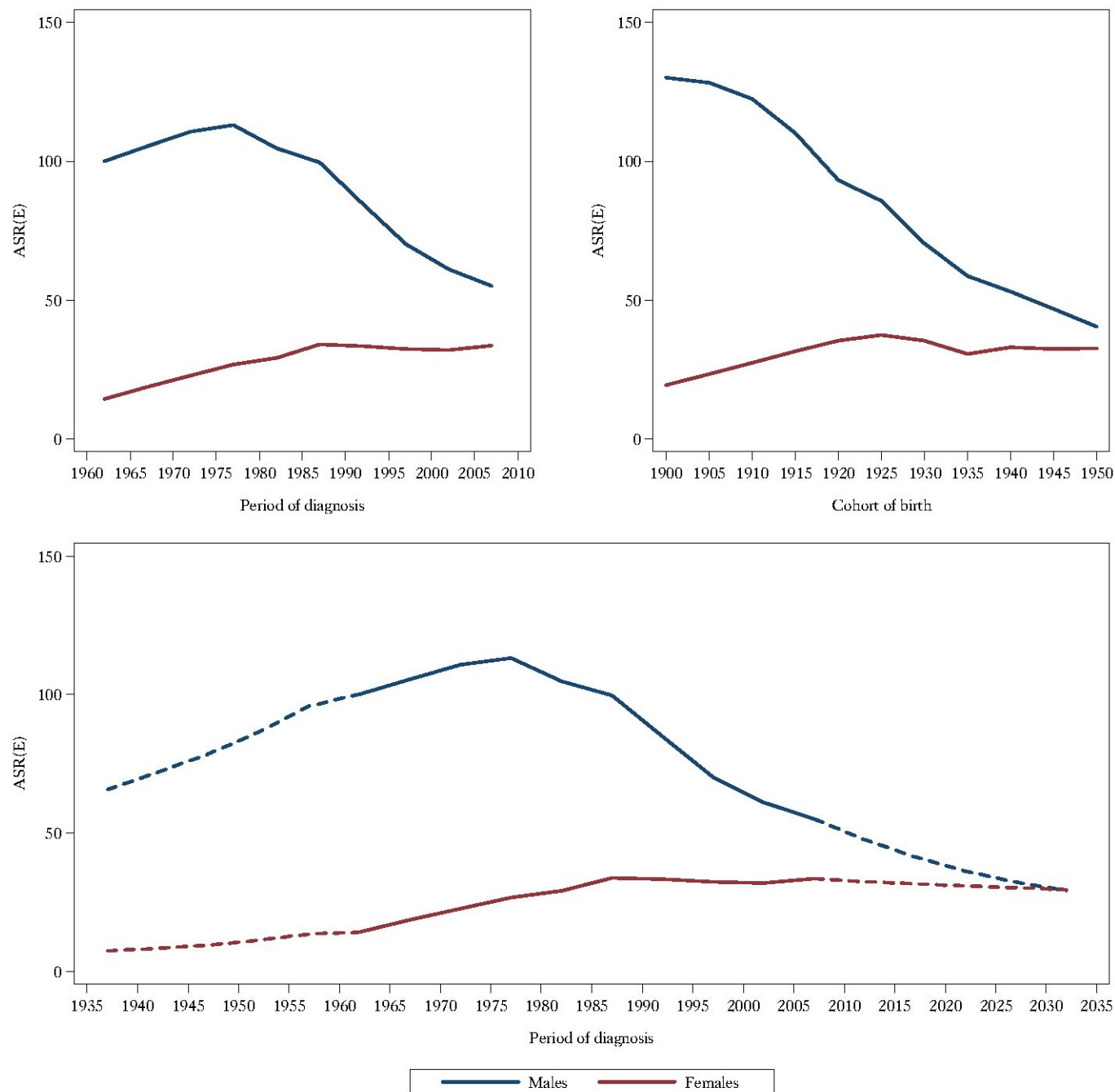




## Cancer of the lung, bronchus and trachea (C33 and C34)



## Cancer of the lung, bronchus and trachea (C33 and C34)



# Some cancers with decreasing rates

Stomach

Lip

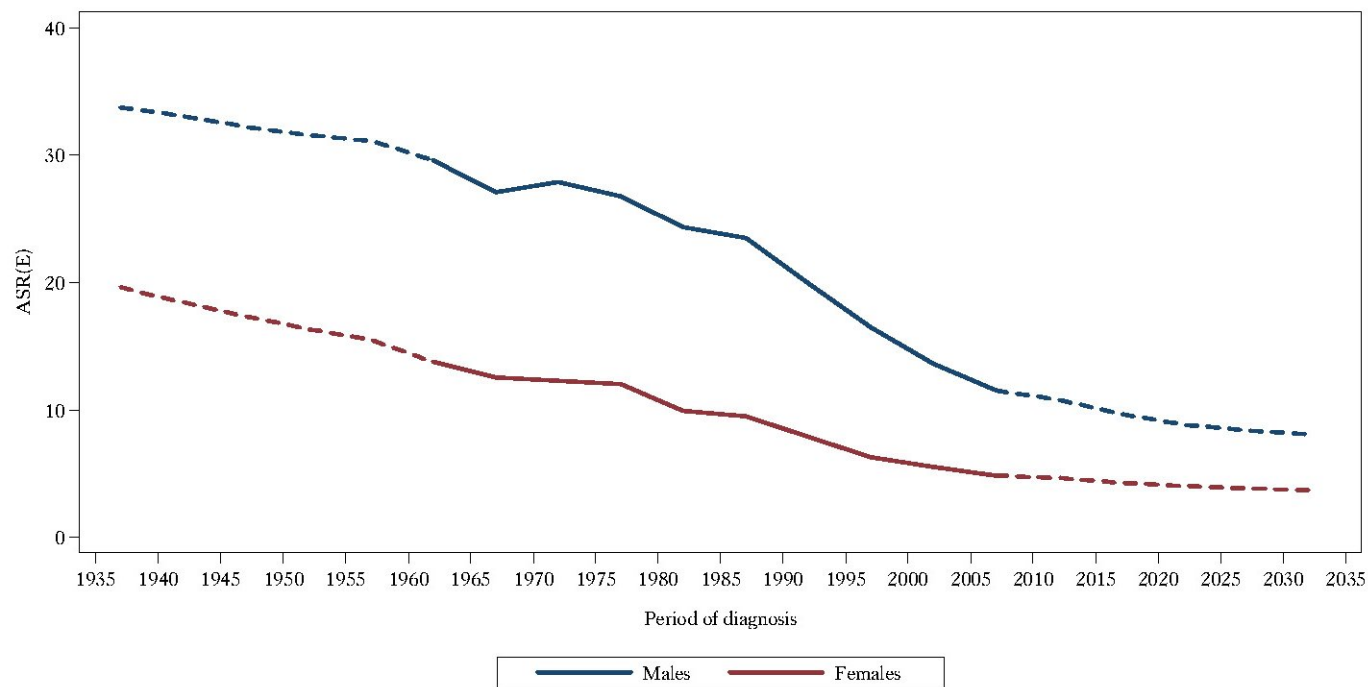
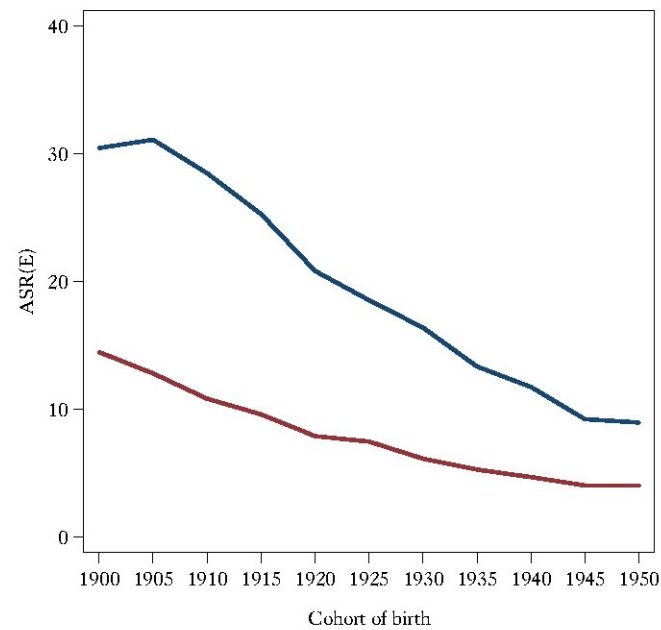
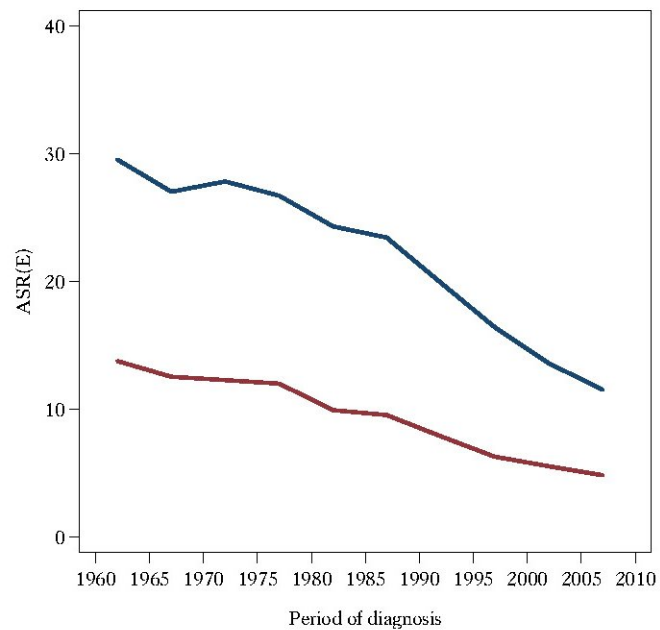
Cervix

Ovary

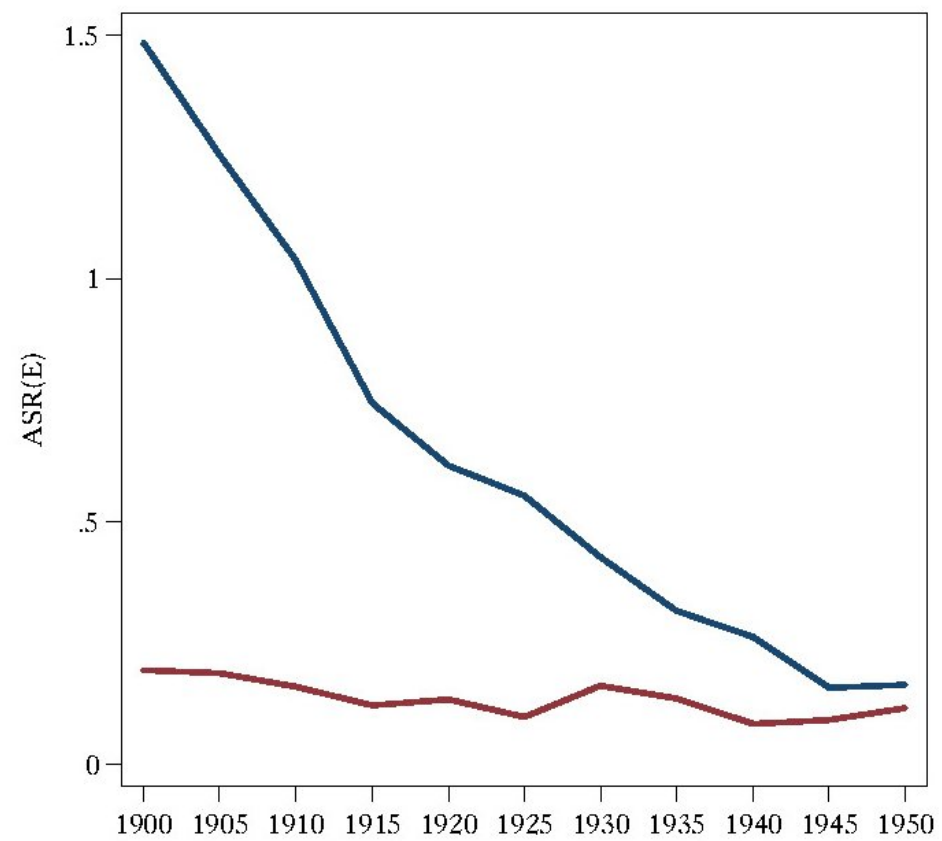
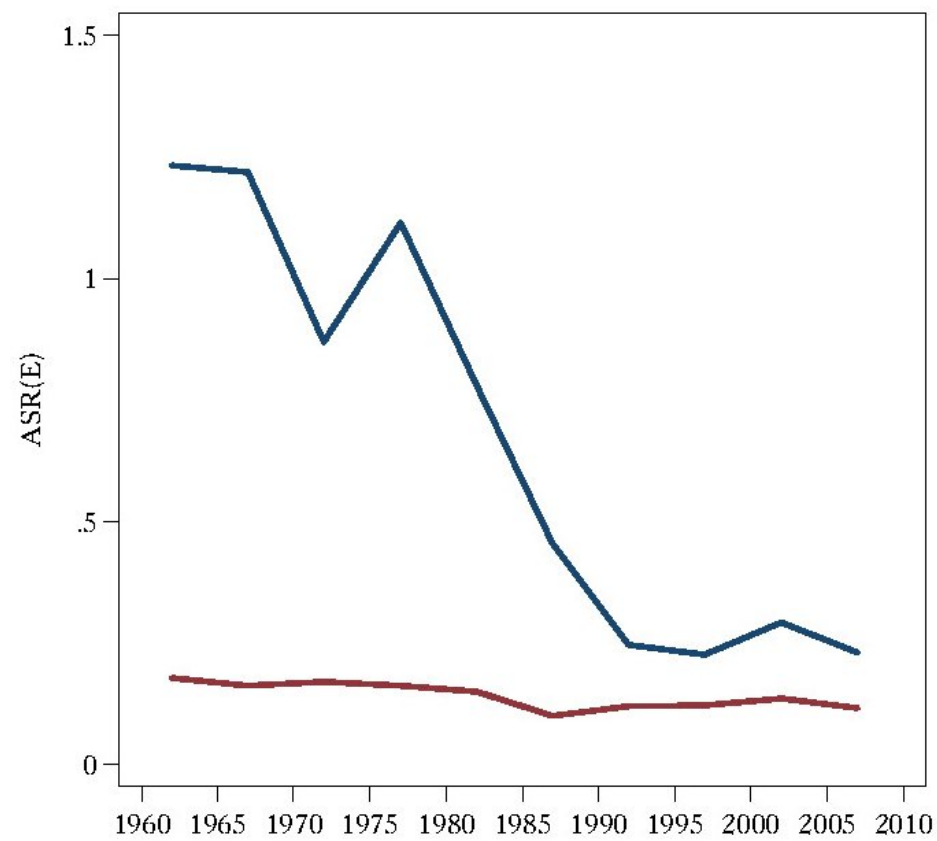
Mesothelioma



## Cancer of the stomach (C16)

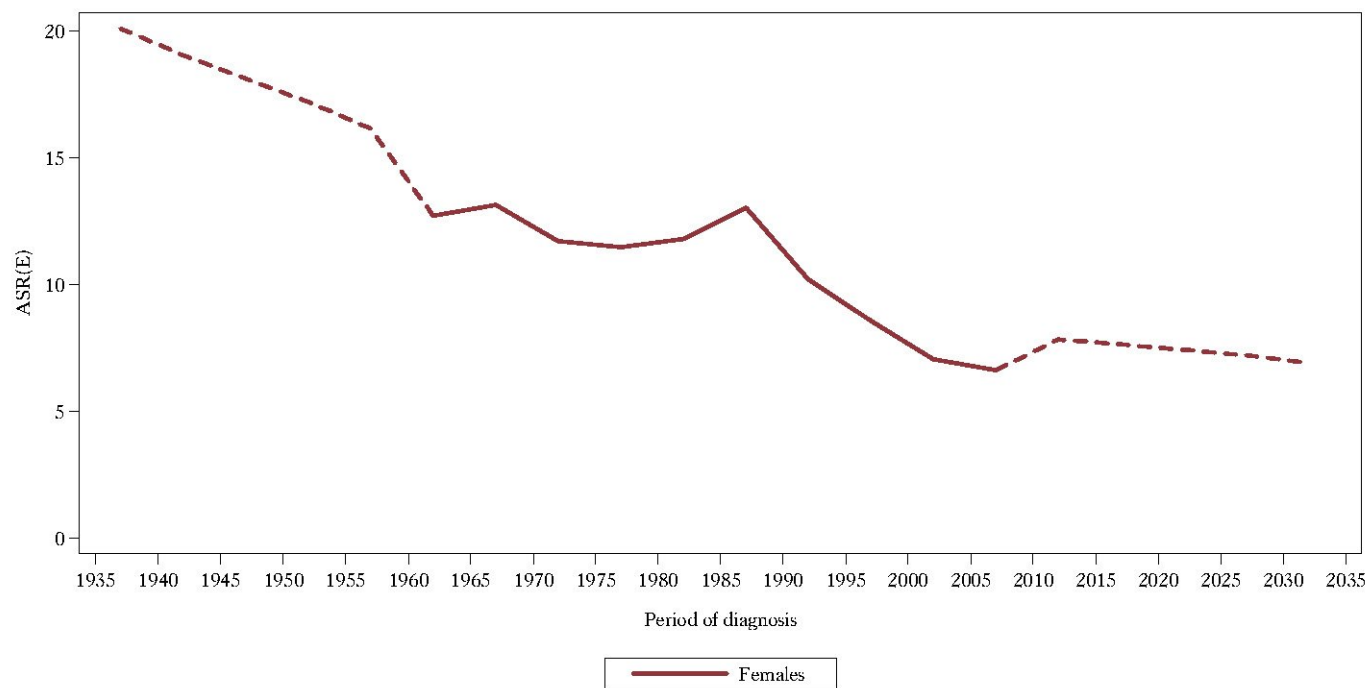
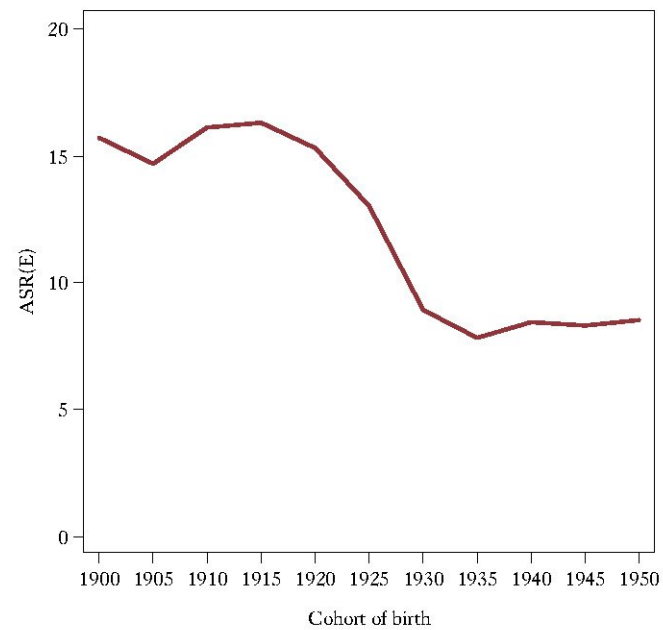
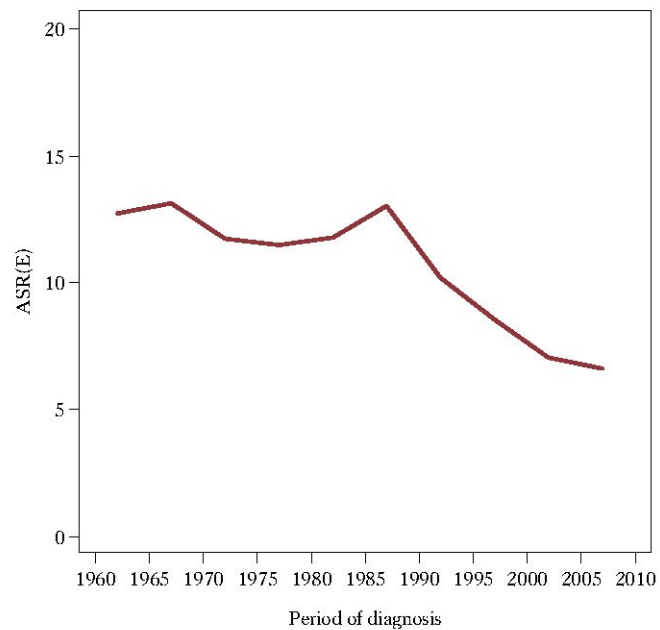


## Cancer of the lip (C00)

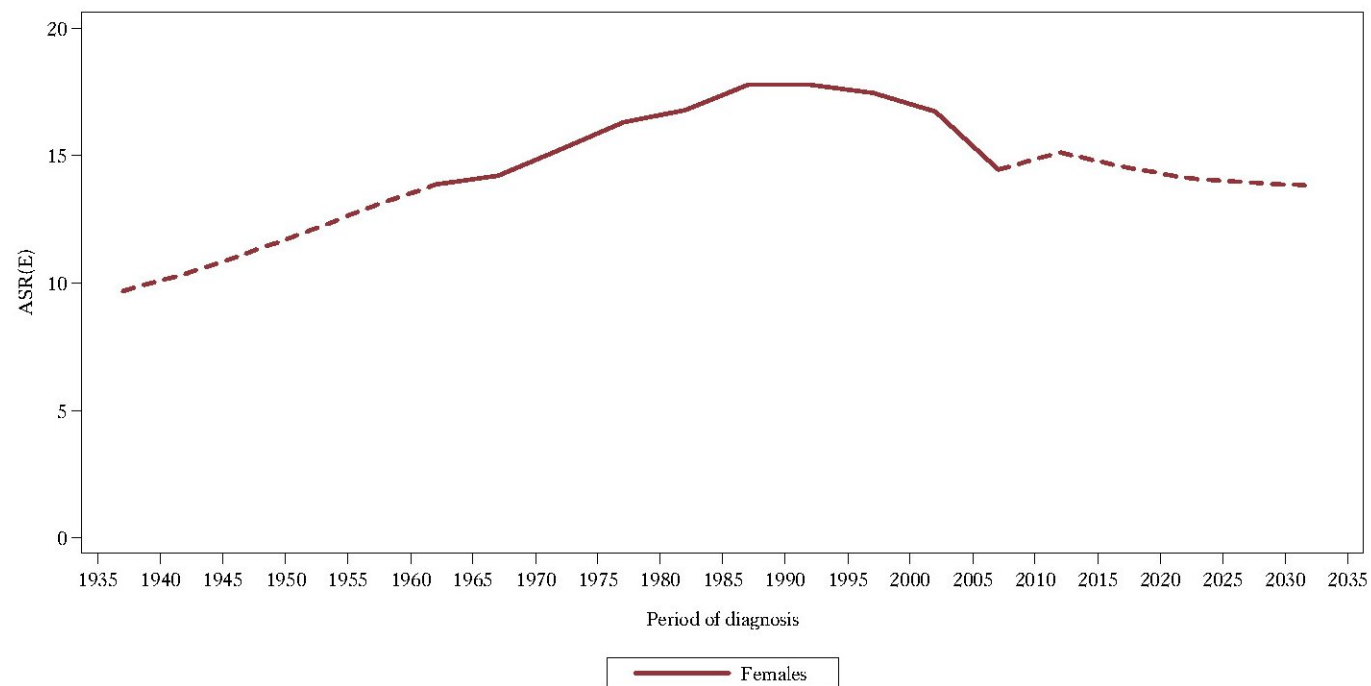
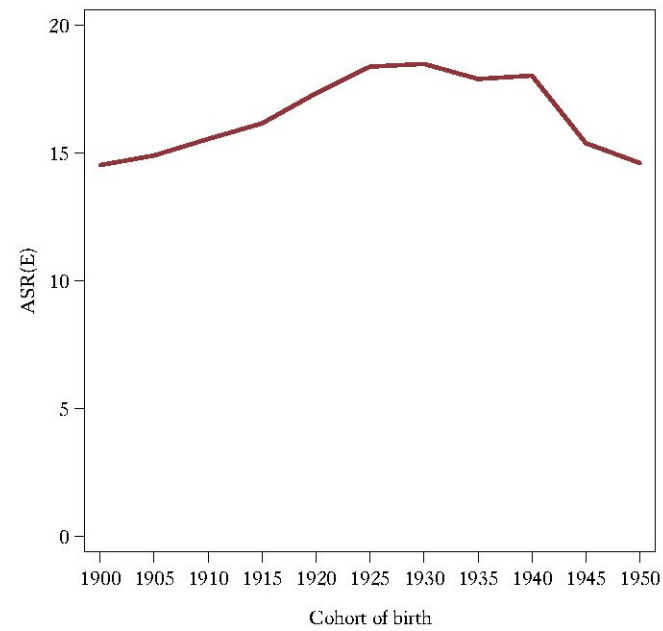
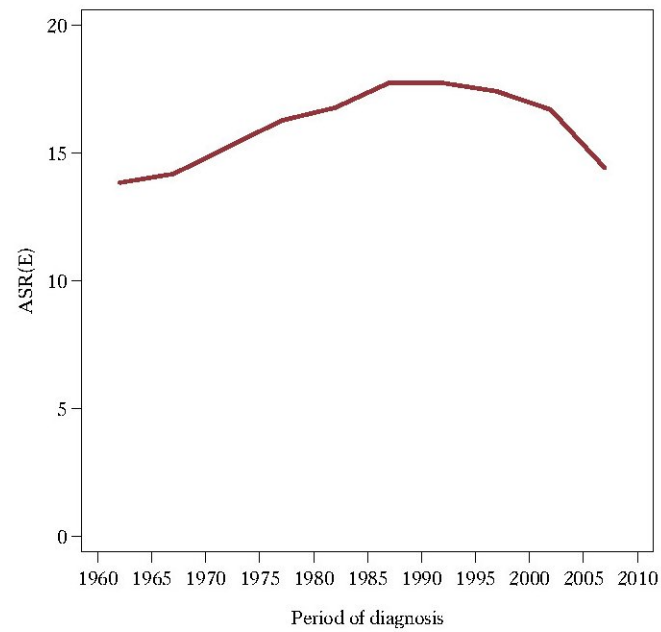


— Males — Females

## Cancer of the cervix uteri (C53)

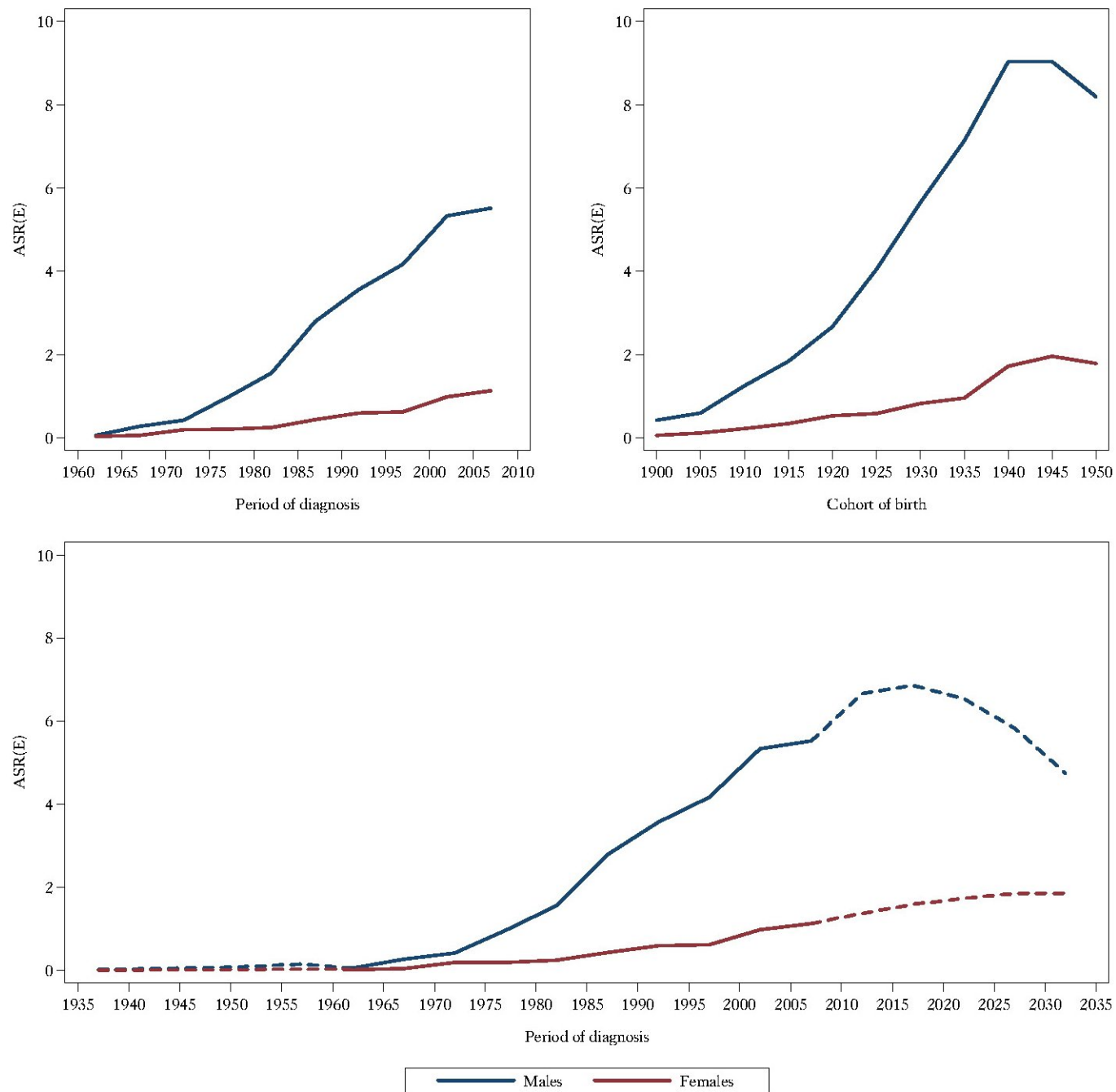


## Cancer of the ovary (C56)





## Mesothelioma (C45)



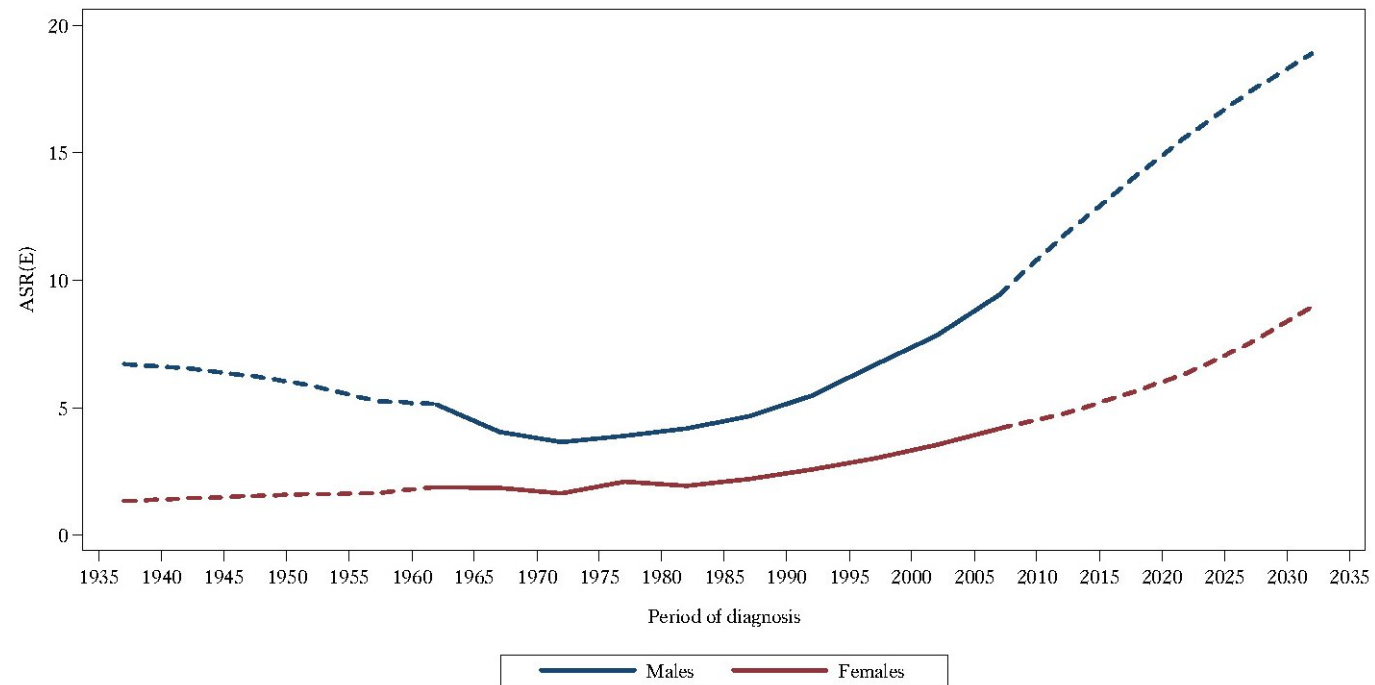
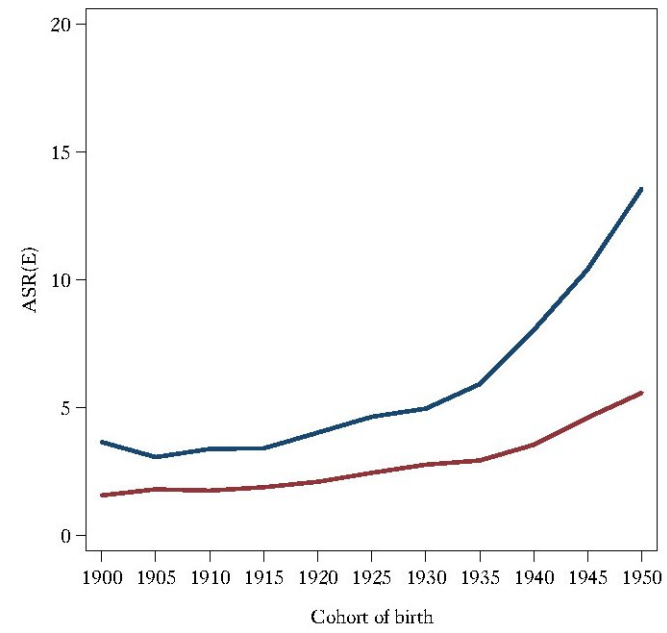
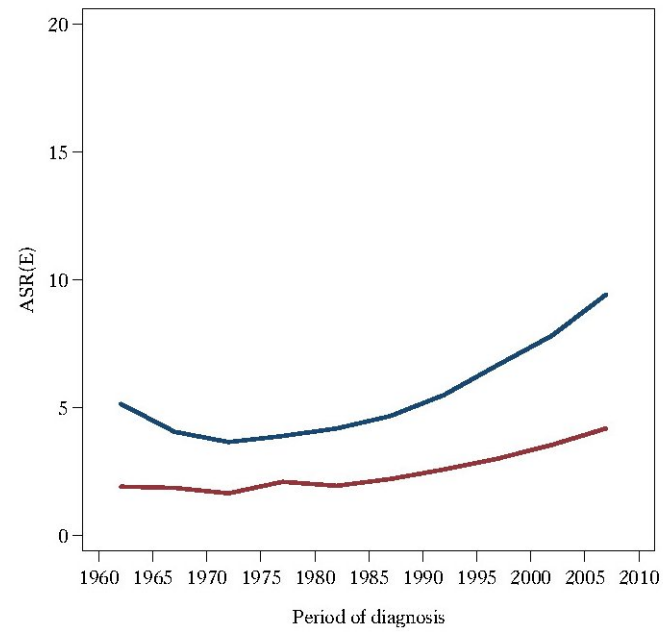
# Cancers related to alcohol drinking

Oral and pharyngeal cancer

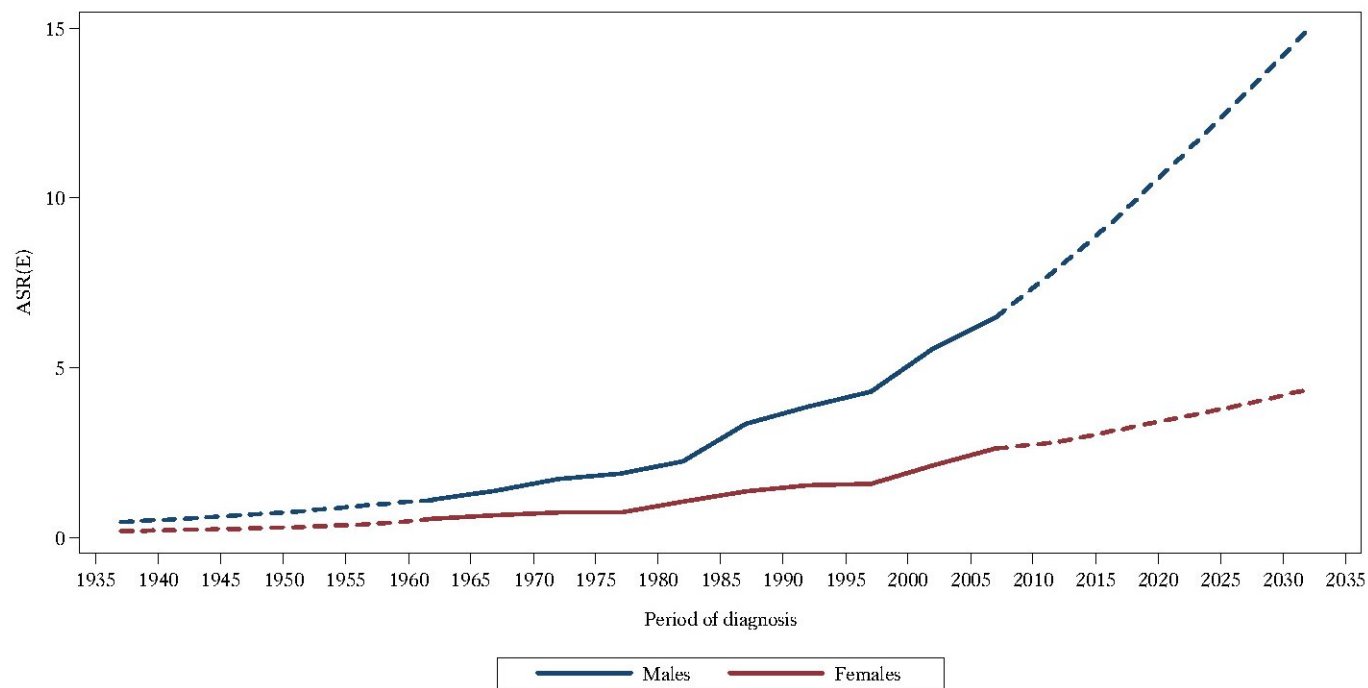
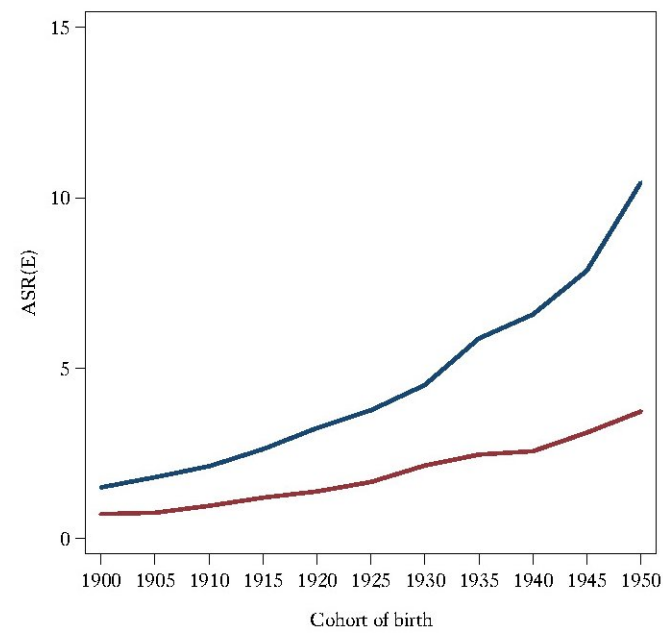
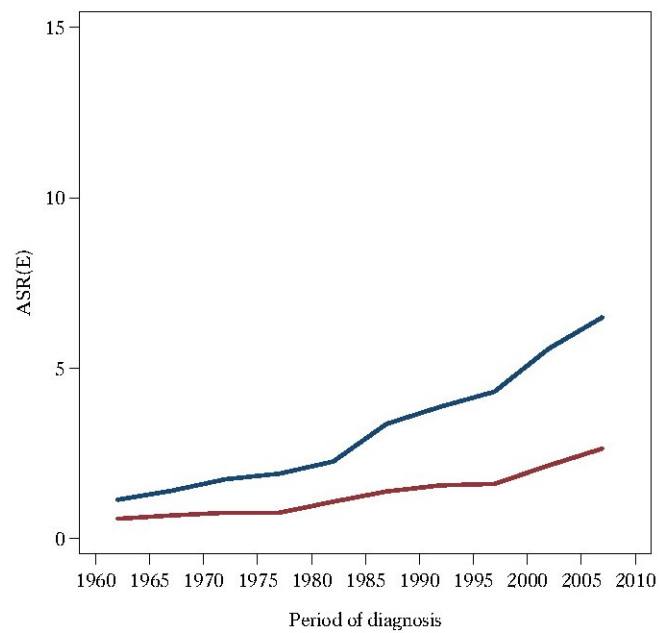
Primary liver cancer



## Oral and pharyngeal cancers (C01-C06, C09, C10 and C14)



## Cancer of the liver and intrahepatic bile ducts (C22)



# Other cancers with increasing rates

Oesophageal cancer

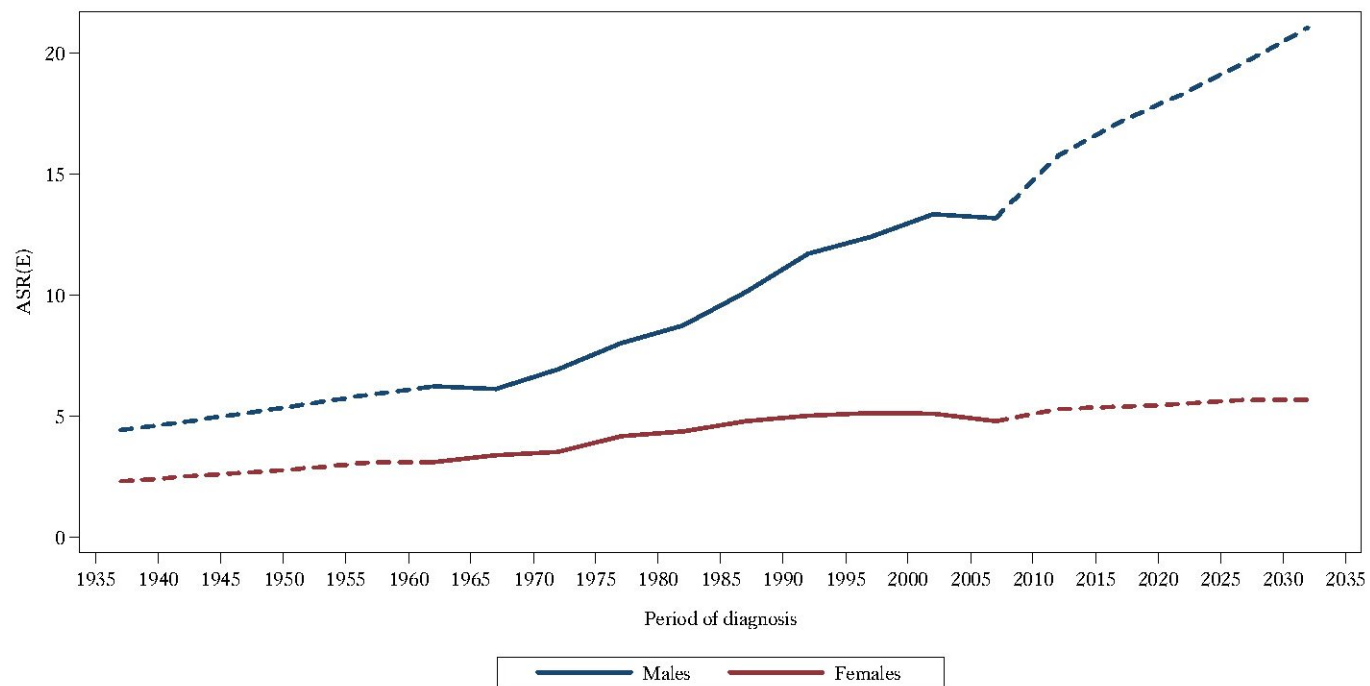
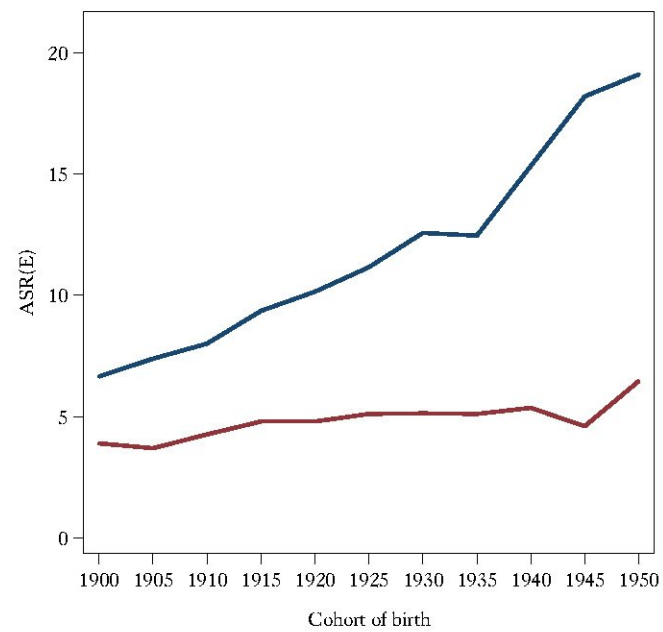
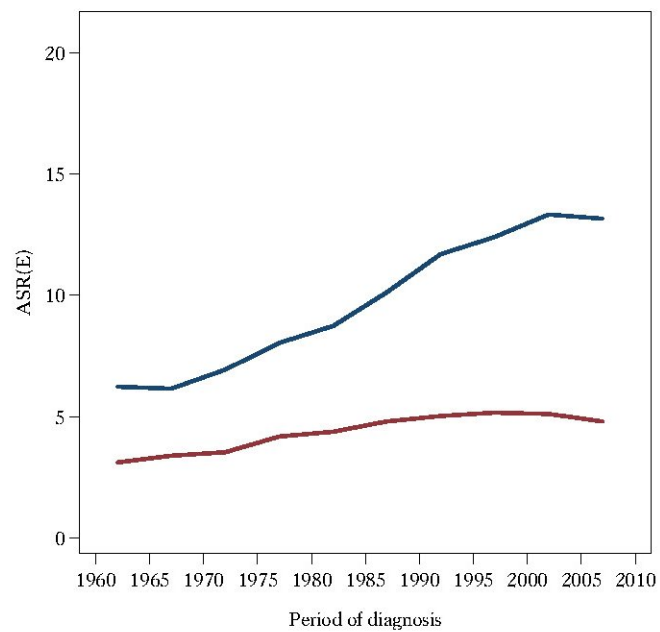
Kaposi's sarcoma

Non-Hodgkin's lymphoma

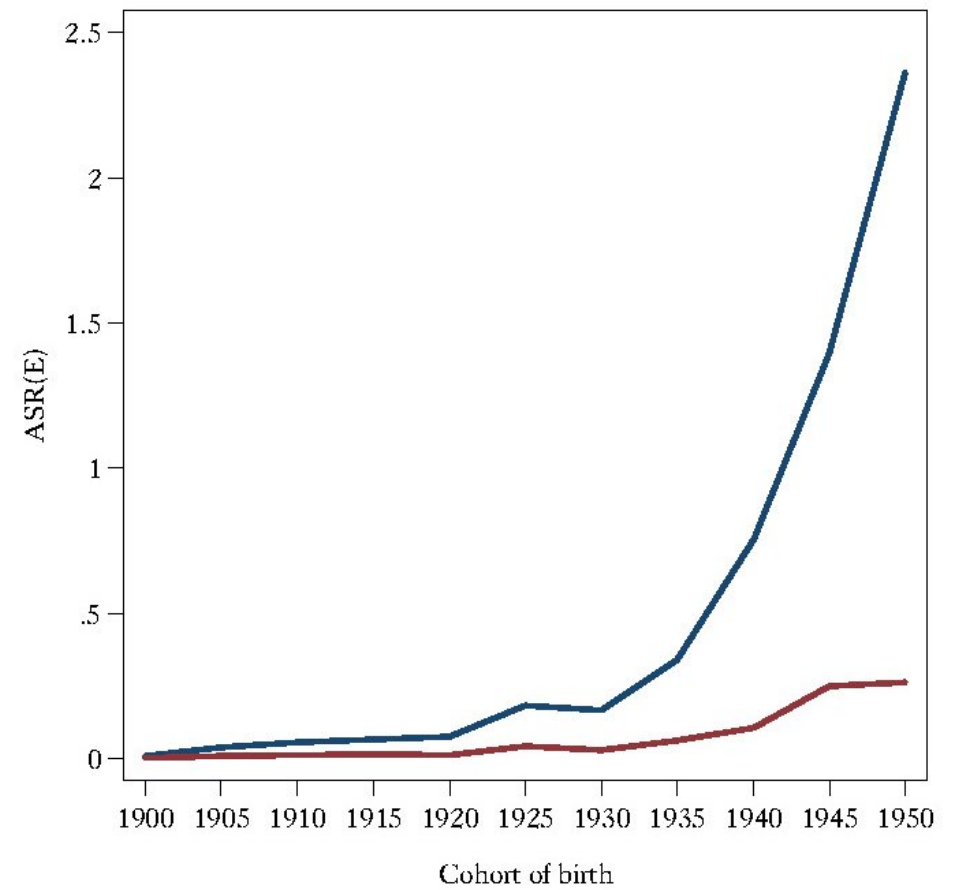
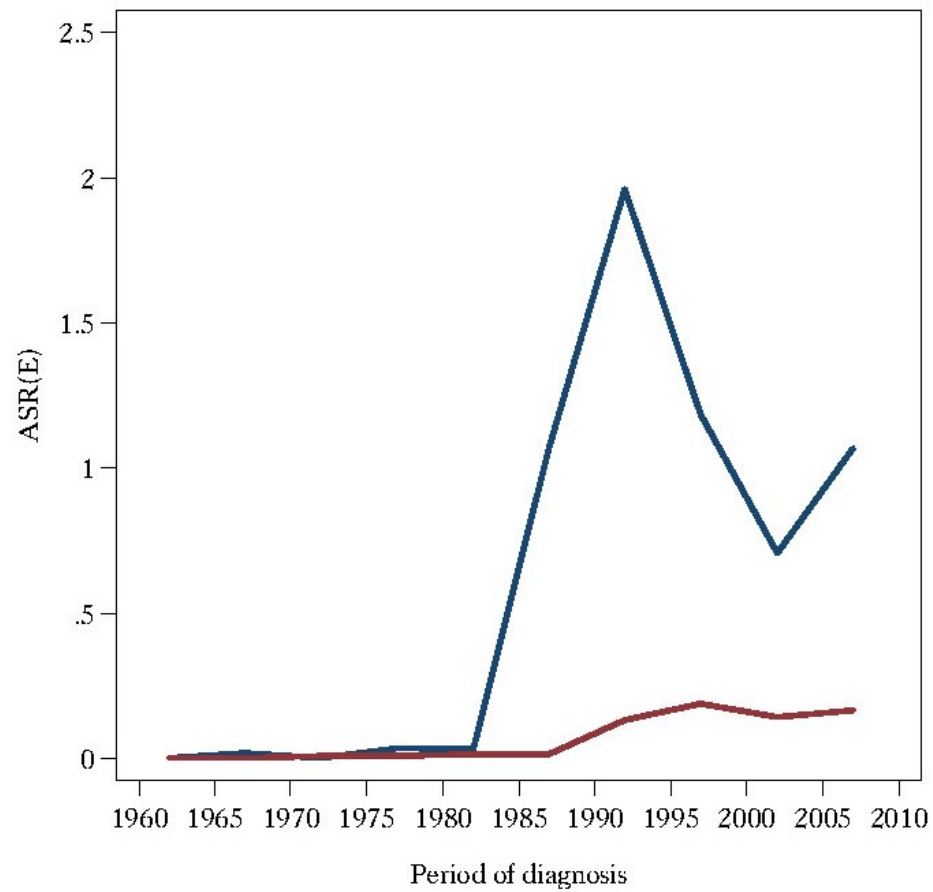
Prostate cancer



## Cancer of the oesophagus (C15)



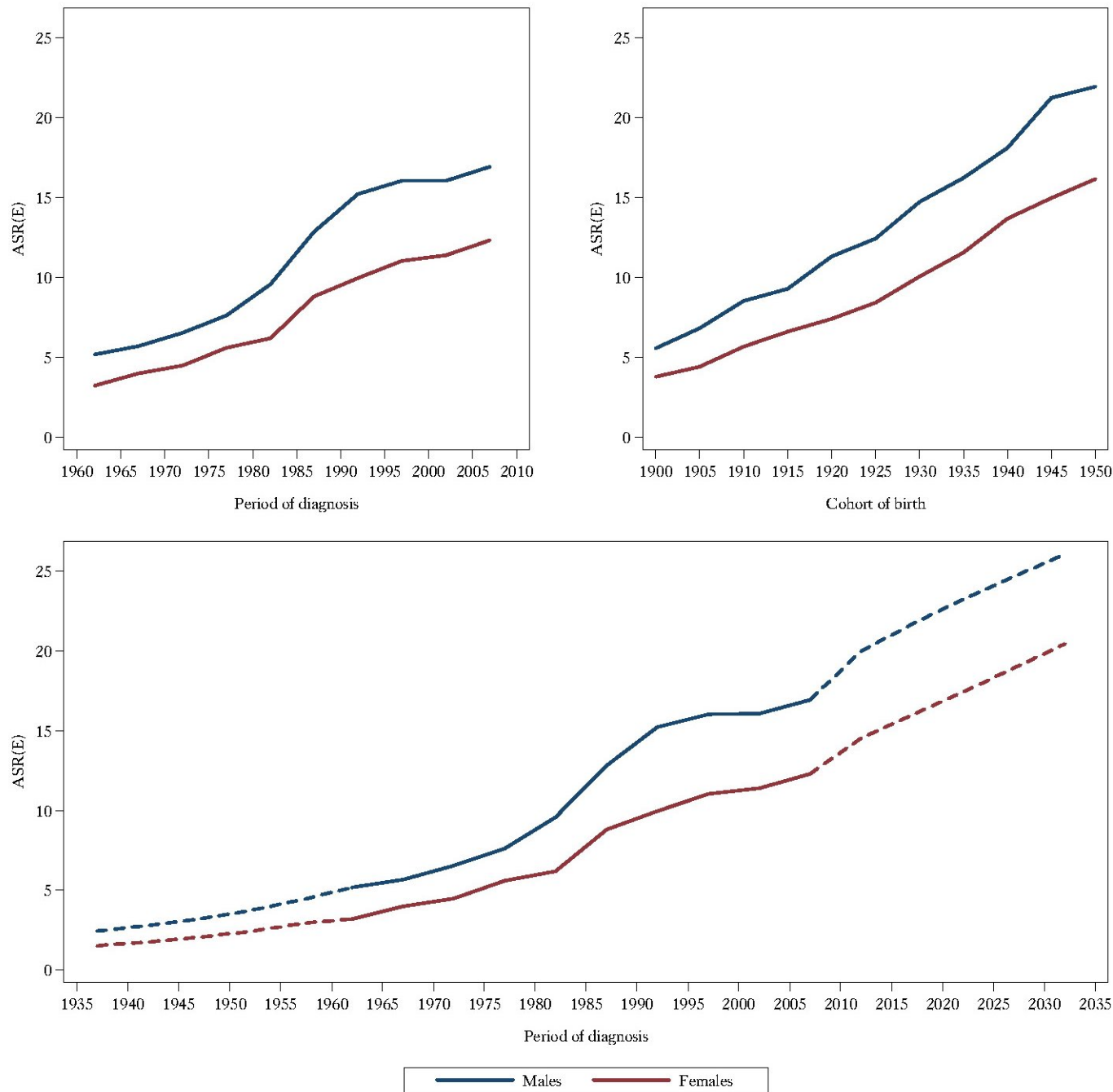
## Kaposi's sarcoma (C46)



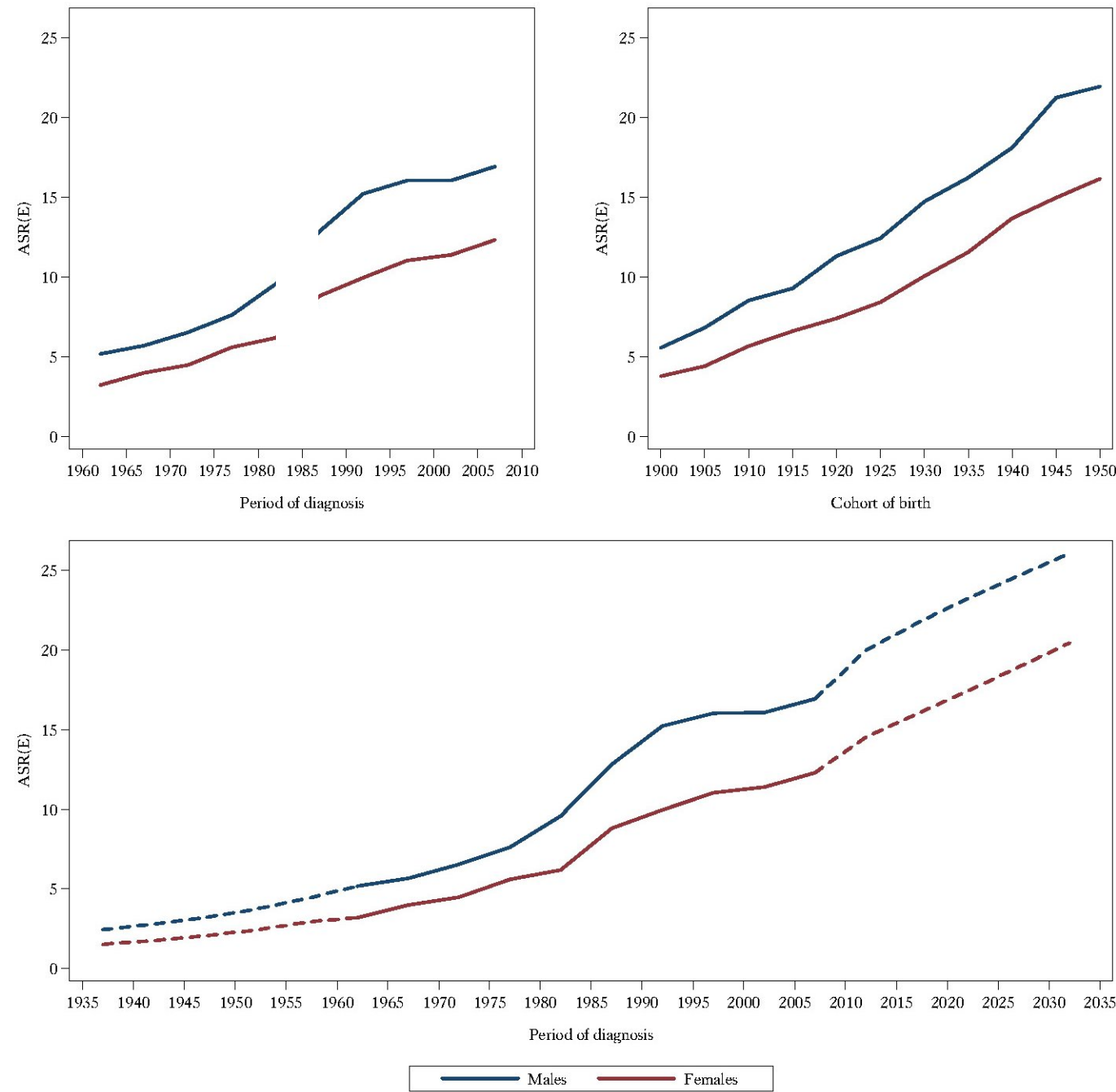
— Males — Females



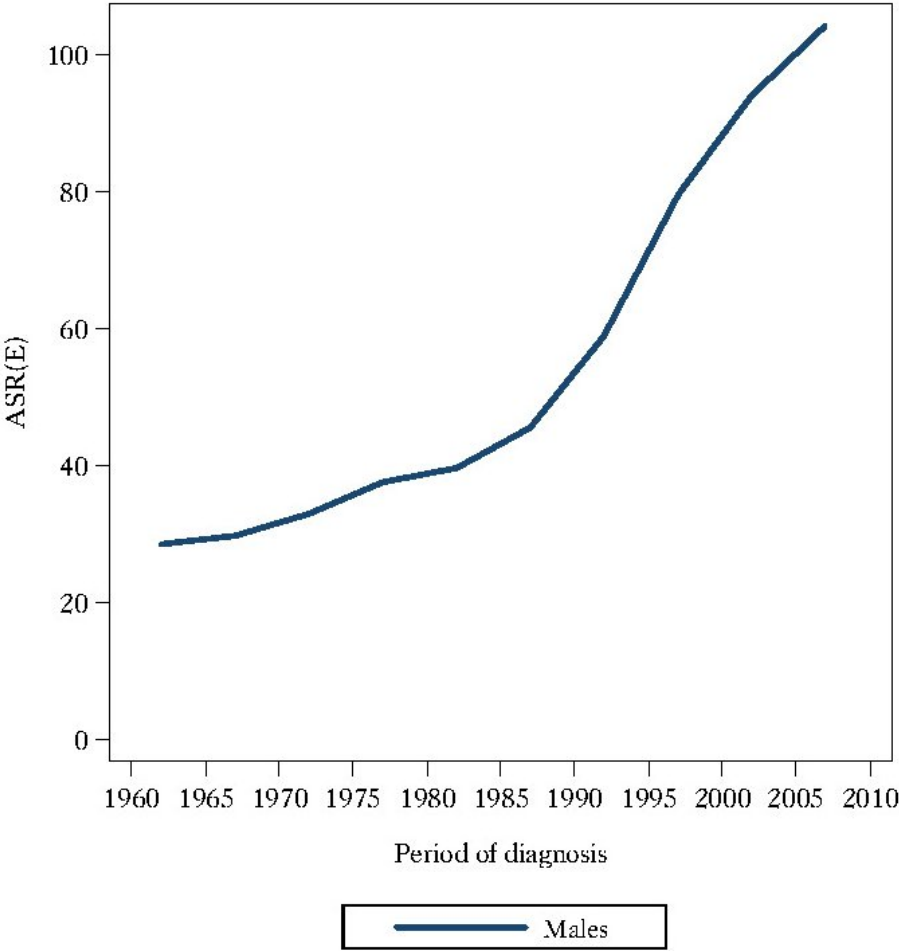
# Non-Hodgkin's lymphoma (C82-C85)



# Non-Hodgkin's lymphoma (C82-C85)



# Cancer of the prostate (C61)

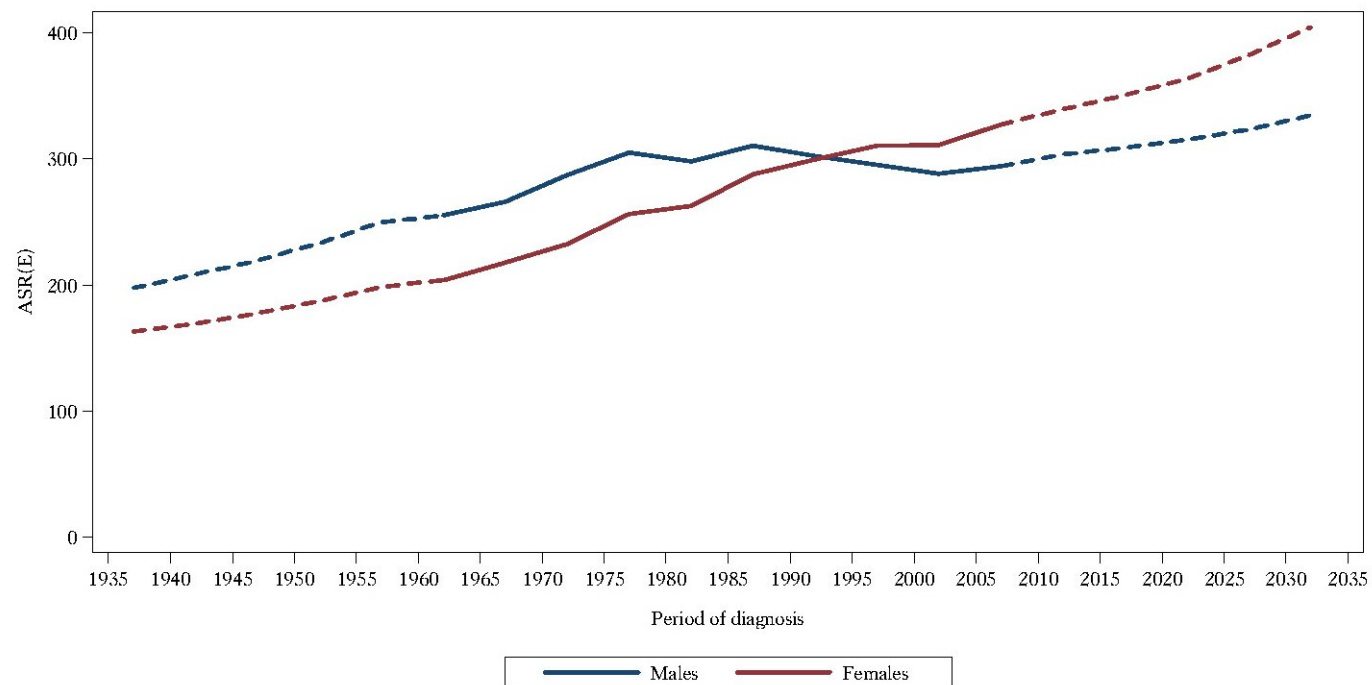
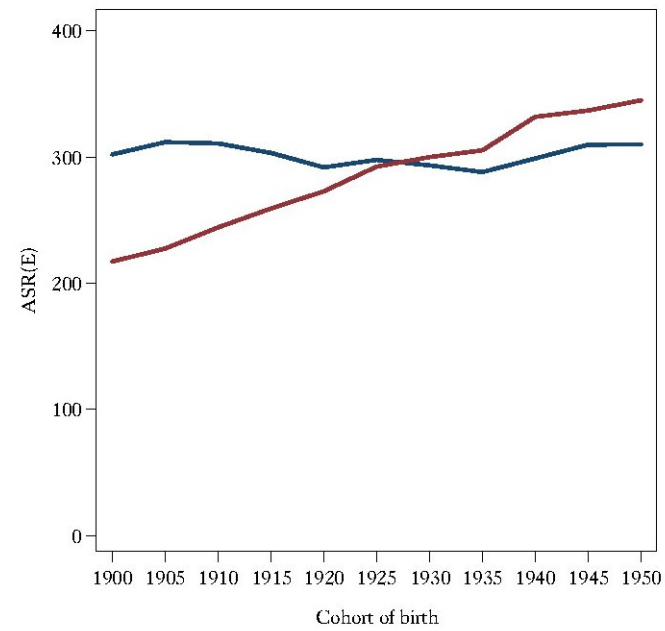
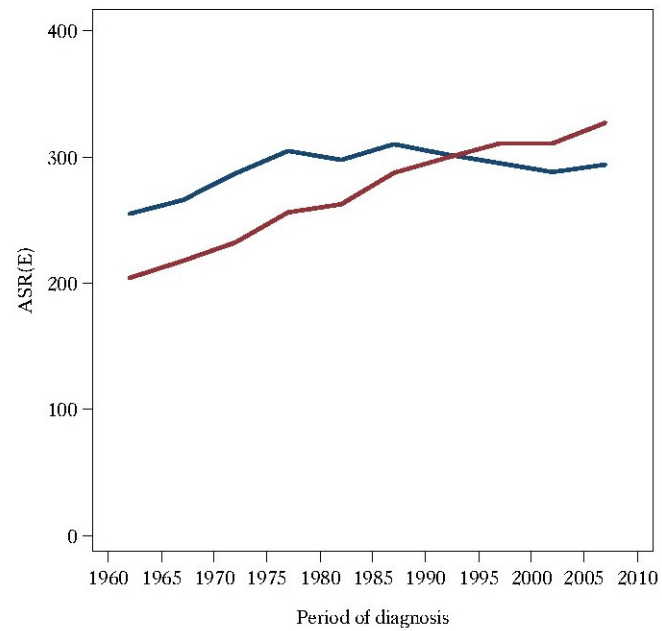


# Total cancer incidence

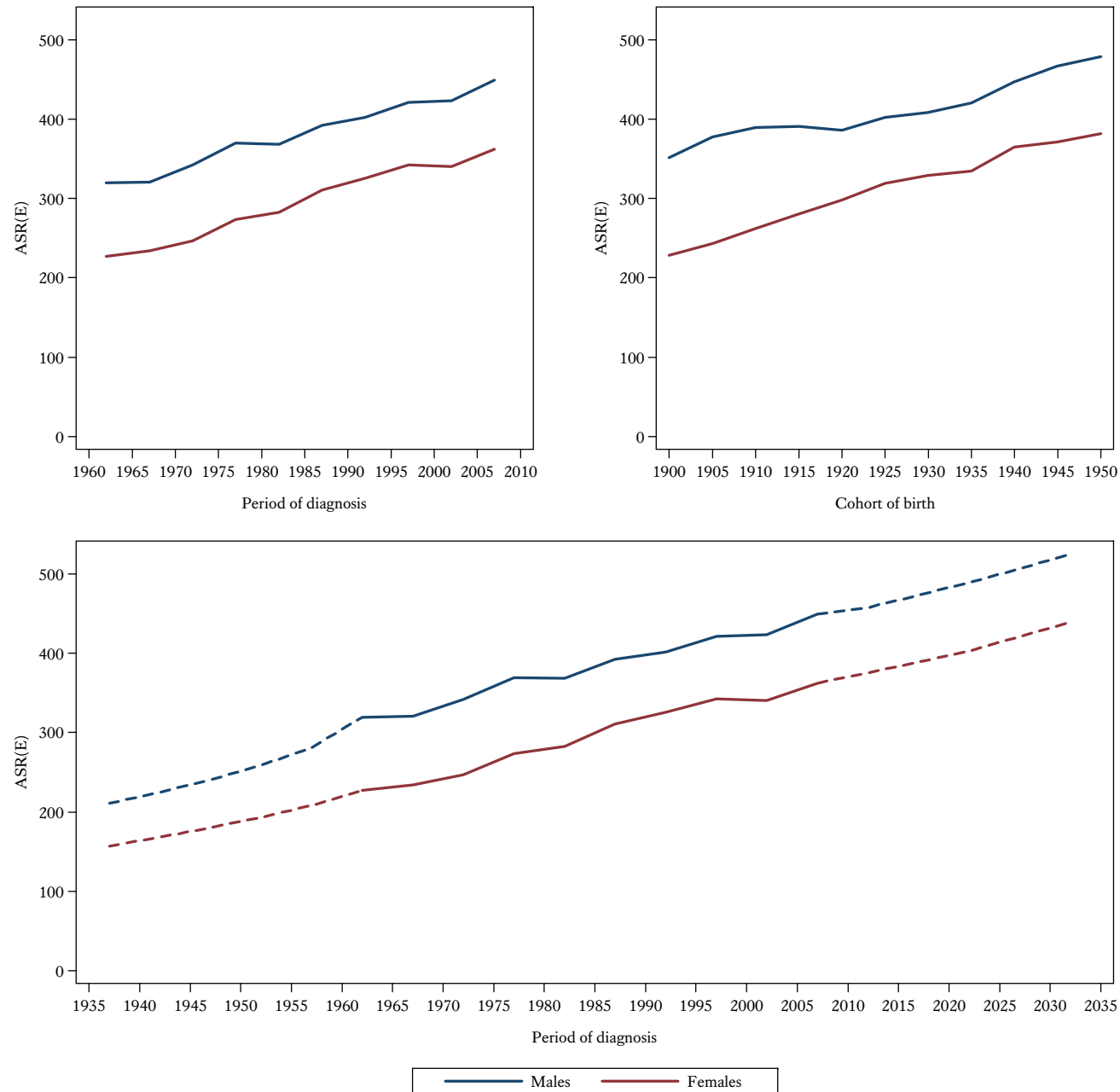
- Sum of individual cancer projections (where possible)
- Model all cancers combined as a single disease



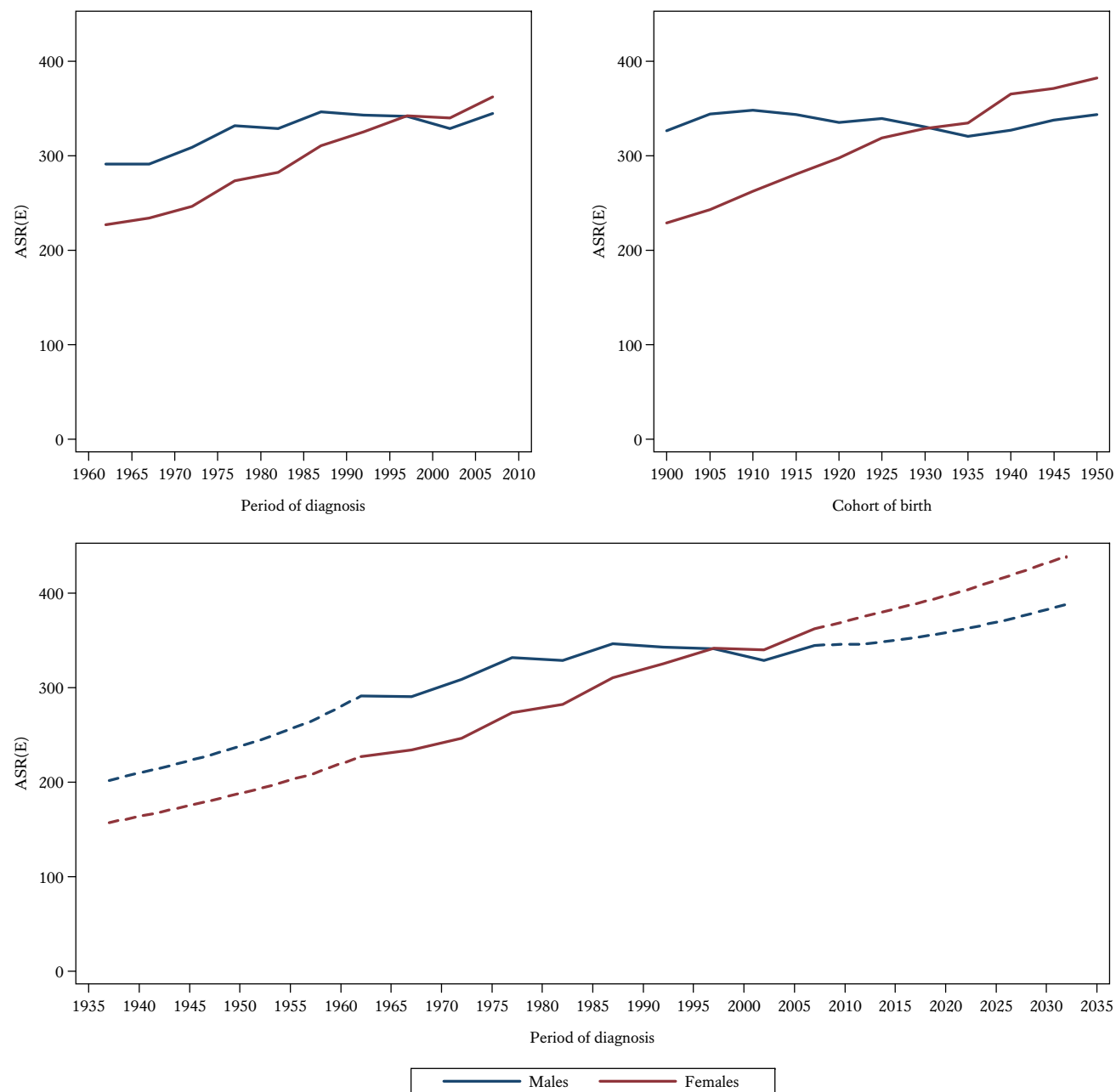
All cancers in this report (summed individual models) excluding C00, C46, C61 and C73



## All cancers (C00-C96) – modelled



## All cancers excluding prostate (C00-C96 excl. C61) – modelled







## **Sir David Smithers:**

On some **general concepts in oncology** with special reference to Hodgkin's disease. Int J Radiat Oncol Biol Phys. 1983

**Immunotherapy** in treatment of breast cancer. Proc R Soc Med. 1974

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**Where to die.** Br Med J. 1973

Preservation of ovarian function in patients requiring radiotherapy for ... Hodgkin's disease. Lancet. 1972

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**Hodgkin's disease: one entity or two?** Lancet. 1970

Factors influencing survival in patients with Hodgkin's disease. Clin Radiol. 1969

**Immunosuppression and cancer.** Lancet. 1969

**Spontaneous regression of cancer.** Ann R Coll Surg Engl. 1967

Survival in 6086 cases of bronchial carcinoma. Lancet. 1967

Some **inferences about the origin of tumours derived from their age distribution.** Clin radiol. 1963

Radiotherapy in the treatment of patients with seminomas and teratomas of the testicle. Br J Urol. 1962

Some factors other than treatment influencing the **prognosis in breast cancer.** Acta Unio Int Contra Cancrum. 1959

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**Adenocarcinoma of the oesophagus.** Thorax. 1956

Some graphical methods of presenting results of cancer treatment. Br J Radiol. 1956

**Facts and fancies about cancer of the lung.** Br Med J. 1953

## **Peter Payne:**

**Acute complications of colo-rectal cancer:** site, stage and survival. Clin Oncol. 1975

Glioblastoma multiforme: a controlled trial to assess the value of specific active immunotherapy .... Br J Cancer. 1973

Factors affecting the finding of **cancer cells in the blood**. Br J Surg. 1969

**Carcinoma of the skin: problems of registration** and a tentative analysis of the material registered in Southern and South Eastern England 1960-62. Cancro. 1966

**Cancer registration planning and policy**. Postgrad Med J. 1961

**Multiple primary malignant neoplasms** in the air and upper food passages: a statistical review. Cancer. 1960

**Some graphical methods of presenting results of cancer treatment**. Br J Radiol. 1956

Bronchial carcinoma: a statistical study of 741 necropsies ... Br J Cancer. 1955

## **Dick Skeet:**

**Manual and computerized** cancer registries. IARC Sci Publ. 1991

Cancer registration: principles and methods. **Quality and quality control**. IARC Sci Publ. 1991

**Making cancer statistics more informative:** measures of the quality of recorded diagnosis ... Eur J Cancer Clin Oncol. 1989

Can we achieve **100% ascertainment in cancer registration?** Public Health. 1989

Aetiological factors in cutaneous malignant melanomas seen at a UK skin clinic. J Epidemiol Community Health. 1987

... Prognostic features of **long term and short term survivors of metastatic breast cancer**. Eur J Cancer Clin Oncol. 1986

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**Social class and carcinoma of the prostate**. Br J Urol. 1979

