Carcinogenesis Petra H M Peeters MD PhD

What about?

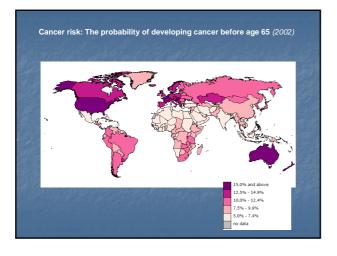
- Global burden of cancer
- Breast cancer: causes and prevention

Getting Cancer

- Most common cancers involve epithelial
- Rapid increase with age
- Most types occur more often in men than
- Developing countries: younger population, with less frequent cancer and earlier age at diagnosis

Getting Cancer

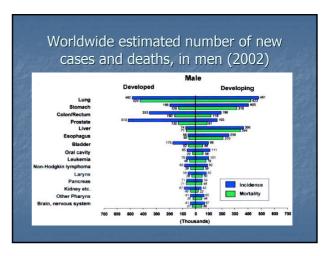
- Risk of developing cancer:
 - USA: 17% before age 65; 27% before age 75
 - Oman: 6% before age 65; 10% before age

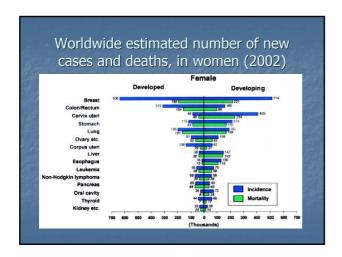


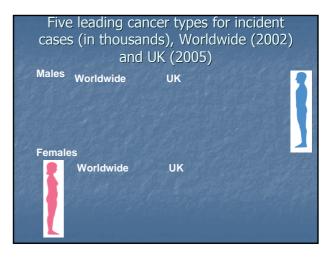
Major Cancer Types in males

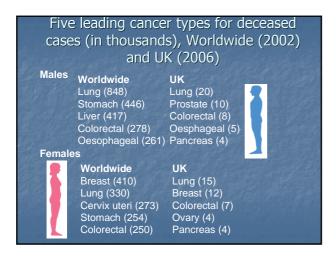
Developed CountriesDeveloping Countries

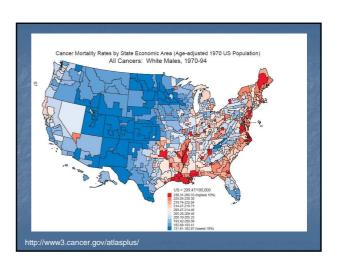


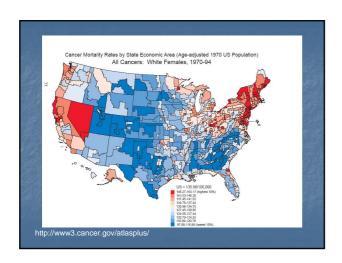


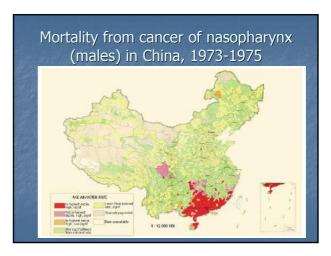


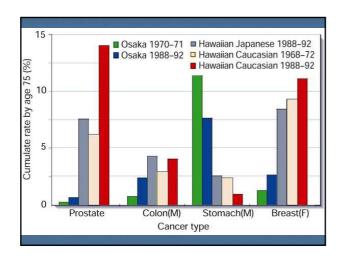


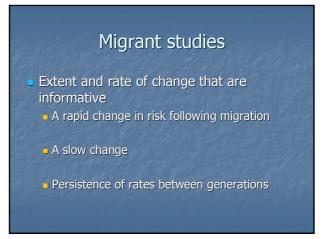


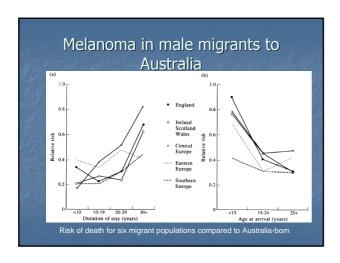


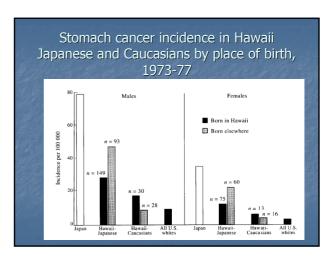




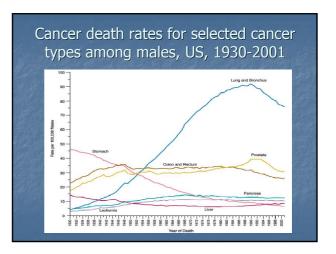








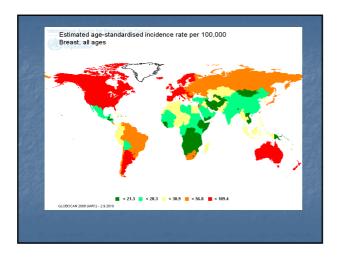
Common reasons for secular trends in cancer rates

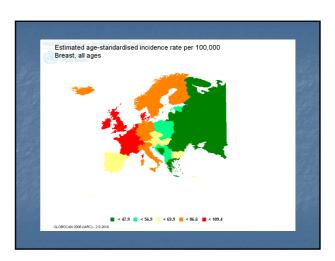


Geographical diversity

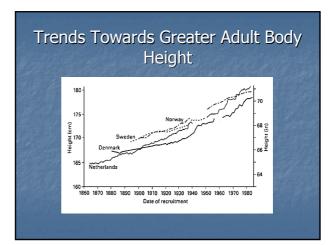
- Cancer is universal, but types of cancer show a very different pattern according to where you live
- Migrant studies: differences are largely based on environment-lifestyle habits, not due to ethnic or genetic differences

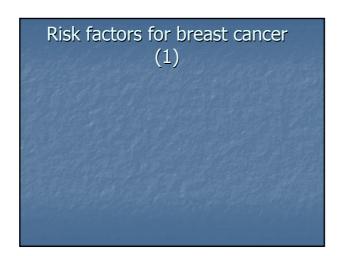
- Global burden of cancer
 - 12 million new cases a year, 1 million breast
 - Large geographically differences
 - Cancer patterns are strongly related to lifestyle
- Breast cancer: causes and prevention

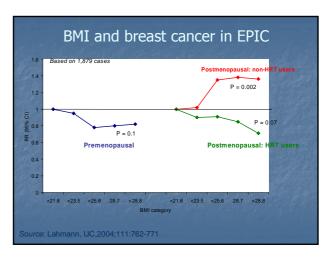


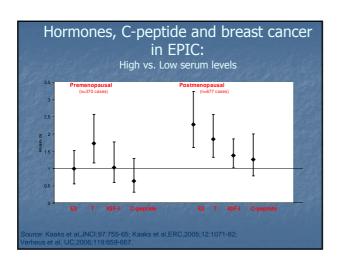




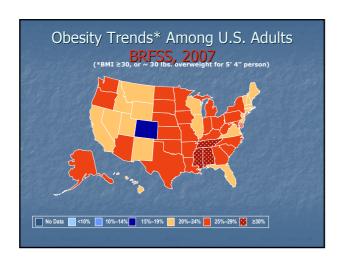


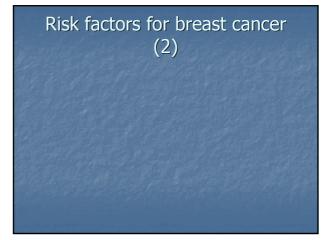


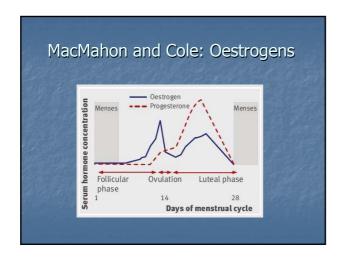


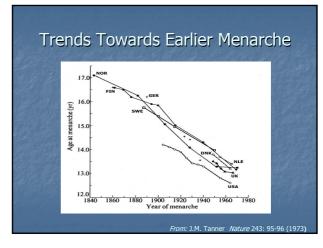


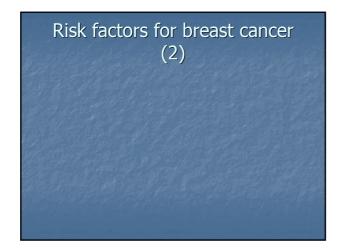


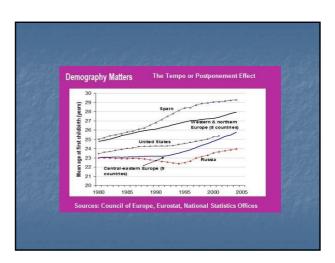


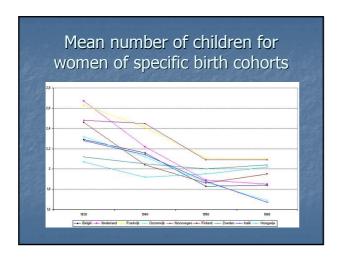


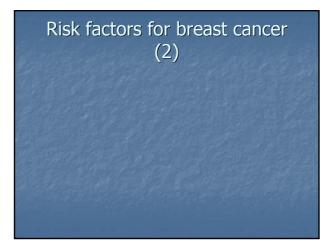




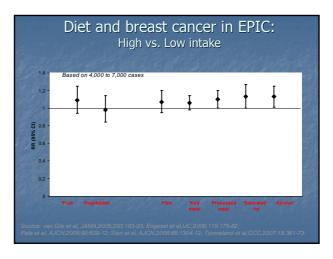


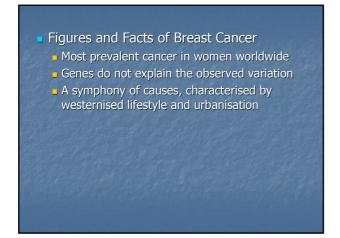


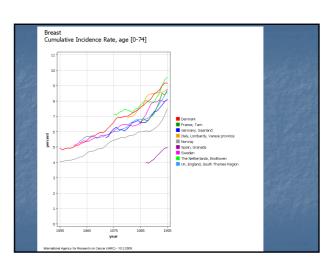


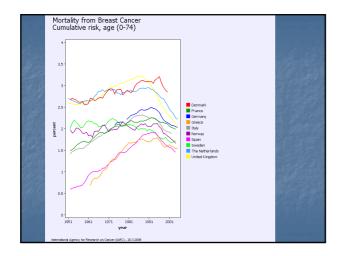


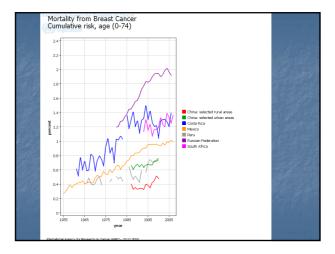












Summary

- Global burden of cancer

 - Cancer patterns are strongly related to lifestyle
- Breast cancer: causes and EPIC

 - Hormone dependant type of cancer
 Related to reproductive factors and hormone use

 - Postmenopausal obesity related to breast cancer