LESSON 2
CONTINUOUS READING TEXTS
Info through sentences and paragraphs

NON-CONTINUOUS READING TEXTS
Info through charts, maps, lists et similia

Both need to be read carefully to be fully understood
Estimated age-standardized incidence rates (World) in 2020, all cancers, both sexes, all ages

ASR (World) per 100 000

≥ 257.1
188.8–257.1
140.4–188.8
111.9–140.4
< 111.9

Not applicable
No data

All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate boundaries for which there may not yet be full agreement.

Data source: GLOBOCAN 2020
Graph production: IARC
http://gco.iarc.fr/today
World Health Organization
All cancers

Number of new cases in 2020, both sexes, all ages

- **Breast**: 2,261,419 (11.7%)
- **Lung**: 2,206,771 (11.4%)
- **Colorectum**: 1,931,590 (10.0%)
- **Prostate**: 1,414,259 (7.3%)
- **NMSC***: 1,198,073 (6.2%)
- **Cervix uteri**: 604,127 (3.1%)
- **Liver**: 935,677 (4.7%)
- **Stomach**: 1,089,103 (5.6%)

**Total**: 19,292,789 cases

Number of deaths in 2020, both sexes, all ages

- **Lung**: 1,796,144 (18.0%)
- **Other cancers**: 3,557,464 (35.7%)
- **Colorectum**: 935,173 (9.4%)
- **Prostate**: 375,304 (3.8%)
- **Liver**: 830,180 (8.3%)
- **Stomach**: 768,793 (7.7%)
- **Oesophagus**: 544,076 (5.5%)

**Total**: 9,958,133 deaths

International Agency for Research on Cancer

**GLOBAL CANCER OBSERVATORY**

World Health Organization

#GCO

#GCO365
Anticancer Drugs:
Recent Strategies to Improve Stability Profile, Pharmacokinetic and Pharmacodynamic Properties

Pharmacokinetics (PK)
- From *pharmakon*, ‘drug’, and *kinetikos*, ‘moving, putting in motion’
- It is a branch of pharmacology which analyzes the journey of a chemical from the moment that is administered up to the moment when it is completely eliminated from the body

Pharmacodynamics (PD)
- From *pharmakon*, ‘drug’, and *dynamis*, ‘strength’
- It is the study of how drugs affect the organism

Both influence dosing, benefit and adverse effects
Anticancer Drugs:
Recent Strategies to Improve Stability Profile, Pharmacokinetic and Pharmacodynamic Properties

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9457551/
PRODRUGS

They are inactive compounds that are chemically or enzymatically metabolized in the active drug, reducing the systemic toxicity of conventional therapies.

They can be useful in reducing drug toxicity.
Focus on language