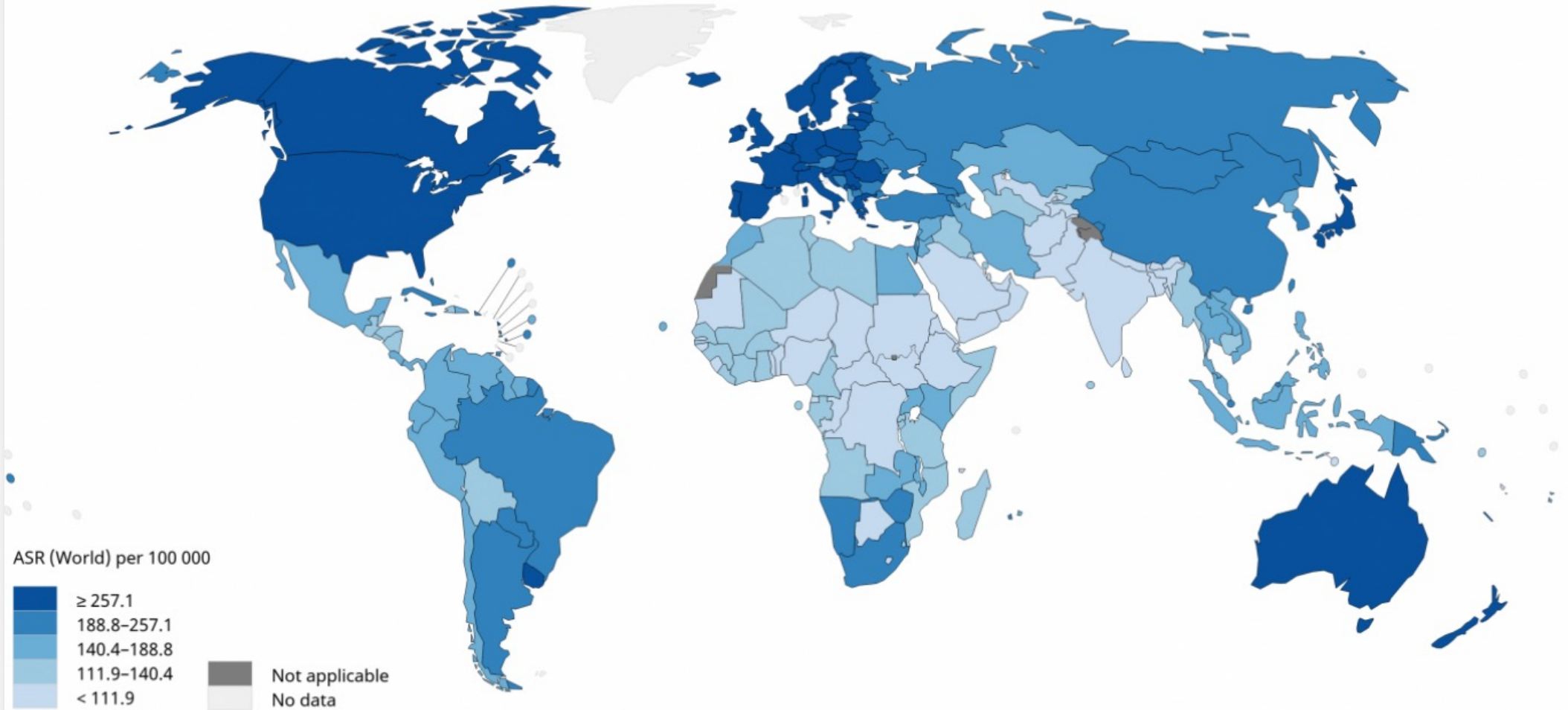


**Both need to be read carefully to be fully understood**

# Estimated age-standardized incidence rates (World) in 2020, all cancers, both sexes, all ages

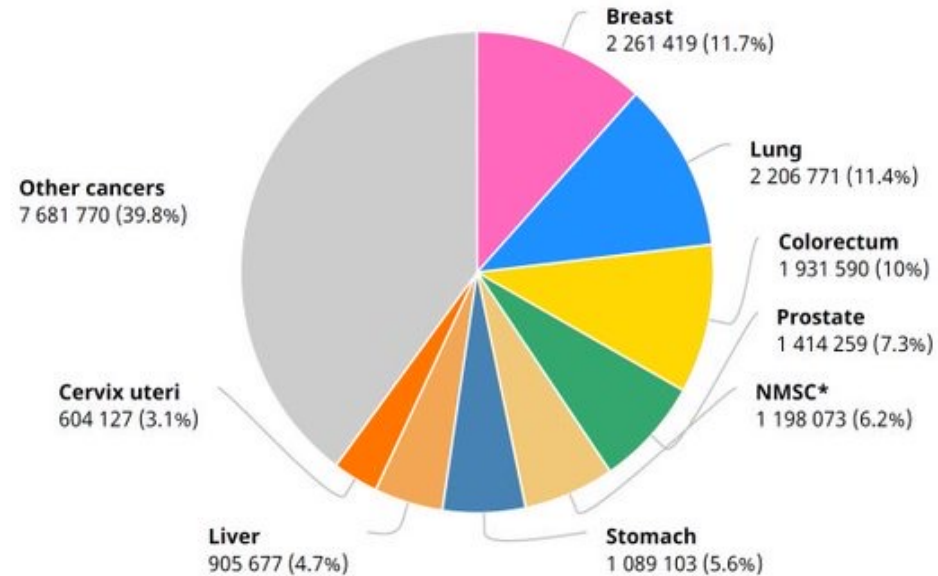


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory,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

Data source: GLOBOCAN 2020  
Graph production: IARC  
(<http://gco.iarc.fr/today>)  
World Health Organization

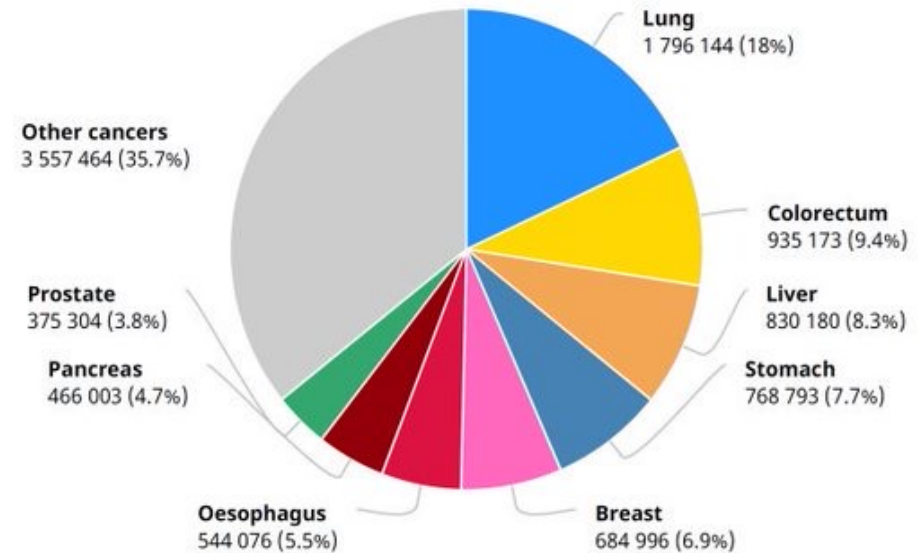
# All cancers

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



Total: 19 292 789 cases

Number of deaths in 2020, both sexes, all ages



Total: 9 958 133 deaths

International Agency for Research on Cancer



GLOBAL CANCER  
OBSERVATORY

#GCO  
#365

A photograph of a man standing on a stage next to large, red, 3D letters that spell out "TEDx San Francisco". The man is wearing a dark jacket, a light blue shirt, and light-colored trousers. The stage is dark, and there is a blue spotlight shining down on the man. The background is dark with some blue lighting. The overall scene is a TEDx event.

# TEDx San Francisco

Herbst Theatre, October 9th, 2018



## 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)

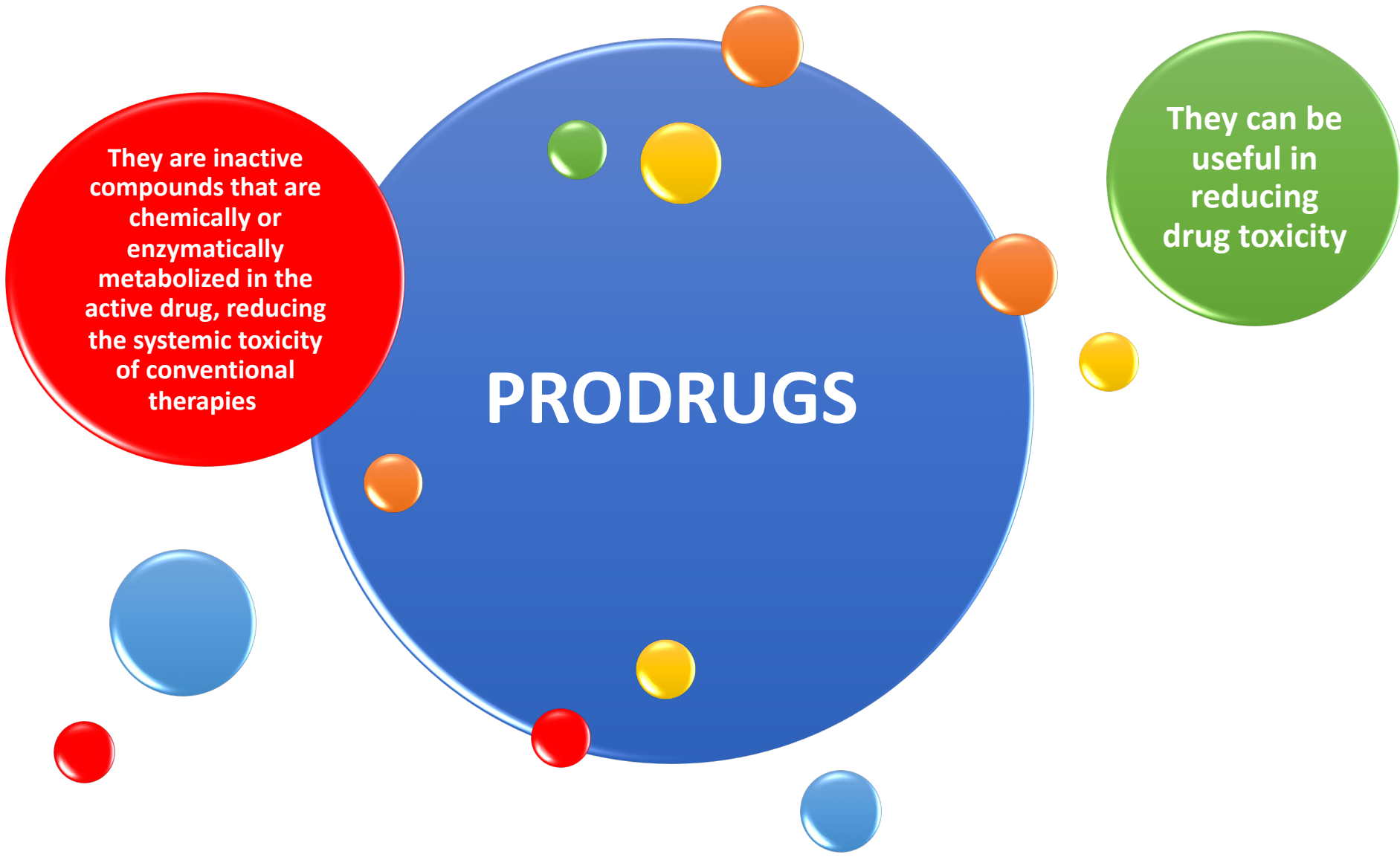
- From *pharmakon*, 'drug', and *dýnamis*, 'strength'
- It is the study of how drugs affect the organism

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/>



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

# PRODRUGS



**Focus on language**