# DIOXINS AND FURANS

***Dioxins and furans are highly toxic chemical substances. They are not intentionally manufactured but are formed as by-products of certain processes. Even in small quantities, they can cause significant harm.***

## MAIN SOURCES OF FORMATION

- During industrial incineration (burning of waste, plastics, and chemicals);
- During the open burning of household waste;
- During metal production and processing;
- During the production of chemicals and pesticides;
- Through smoking and the incomplete combustion of fuels.

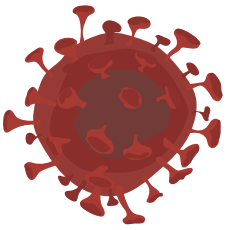


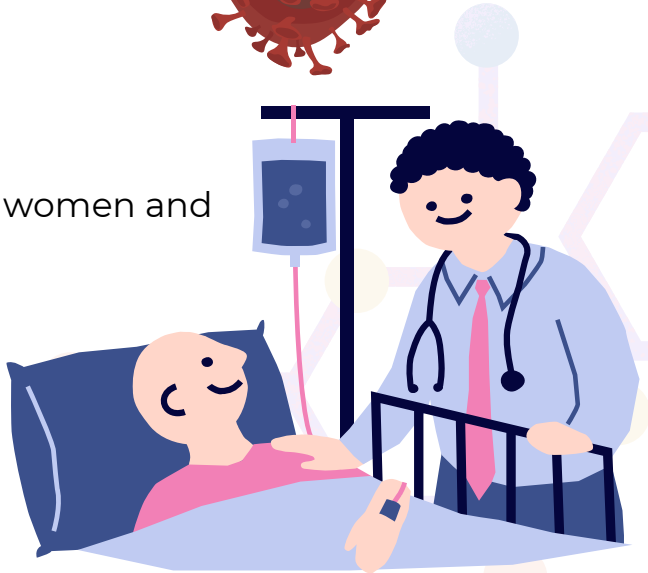


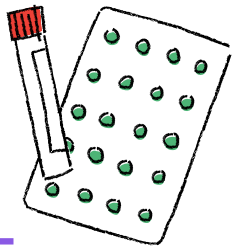


## IMPACT ON HUMAN HEALTH

- Dioxins accumulate in the human body and can cause:
- An increased risk of cancer;
- Hormonal disorders;
- Weakening of the immune system;
- Reproductive problems;
- Developmental disorders in children.
- They are particularly dangerous for pregnant women and children.

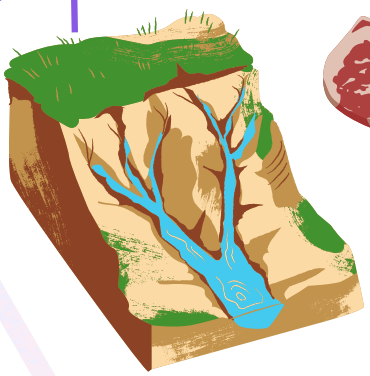
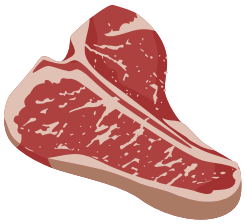


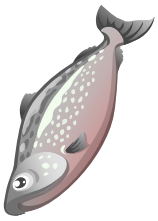




## IMPACT ON THE ENVIRONMENT

- Accumulate in soil and water.
- Enter the food chain (fish, meat, and dairy products).
- Persist in the environment for long periods without breaking down.
- Harm wildlife and plant life.


## HOW TO PREVENT THEIR FORMATION

- Do not burn waste, especially plastics.
- Sort and recycle waste.
- Avoid using low-quality fuels and burning materials in open fires.
- Choose safe, environmentally friendly products.
- Demand monitoring and control of industrial emissions.
- Stay informed and share accurate information.





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Armenian Women for Health and Healthy Environment NGO

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