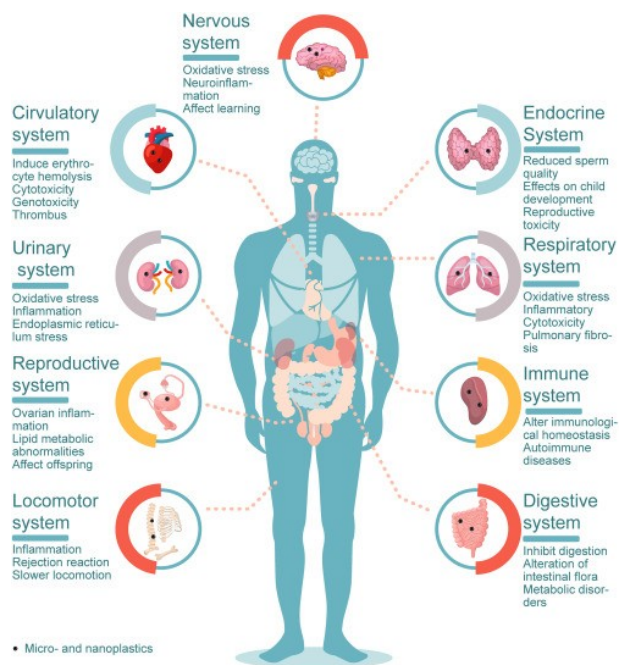


NANOPLASTICS EFFECTS IN OUR BODIES



Cancer – [National Institute of Health, Sept 2022](#)

Intestinal diseases - lowered immune system – damage to mucous lining and bacterial flora
<https://pmc.ncbi.nlm.nih.gov/articles/PMC9552327/>

Inflammatory bowel disease -
<https://pubmed.ncbi.nlm.nih.gov/34935363/>

Alzheimer's disease – incr. nanoplastics in brain
<https://www.medicalnewstoday.com/articles/dementia-are-microplastics-accumulating-in-our-brains-a-risk-factor>

Parkinson's disease
<https://www.nih.gov/news-events/nih-research-matters/nanoplastics-may-help-set-stage-parkinson-s-risk>

Strokes and heart attacks – higher levels of microplastics in artery plaque
<https://www.nejm.org/doi/full/10.1056/NEJMoa2309822>

Infertility – decline in sperm quality and quantity
<https://www.plasticpollutioncoalition.org/blog/2024/6/14/plastic-harms-mens-fertility-how-to-protect-your-health>

Learning disabilities – damage to hippocampus memory center
<https://www.sciencedirect.com/science/article/pii/S0304389422002199>

Over 16,000 chemicals are intentionally added

PLASTIC CHEMICAL SAMPLER			
CHEMICAL GROUP Example	WHAT THEY DO	PRODUCT TYPE	HEALTH HARMS
BISPHENOLS & PHTHALATES • PLASTICIZERS • "Everywhere chemicals" • "BPA-free" does not mean safe. Industry replaces BPA with other toxic bisphenols.	BISPHENOLS #3, #7 Makes plastic clear, rigid, shatterproof	BISPHENOLS Plastic drink bottles, polycarbonate & other containers, clamshells, baby bottles, sippy cups	Pseudo-POP: We eliminate them (through urine) but get daily exposures so we have a constant body-store of them. • EDC, Obesogen • Metabolic Disruptor • Reproductive Disruptor • Neuro-Disruptor • Cardiovascular Disruptor • Carcinogen
	PHTHALATES #3 Makes plastic clear, soft, supple & flexible	PHTHALATES Plastic wrap & bags, shower curtains, toys	
PFAS/PFOA • PLASTIC COATINGS • Slippery, shiny, non-stick chemicals • "Forever Chemicals"	• Makes food packaging & synthetic (plastic) textiles WATER & GREASE RESISTANT • Keeps plastic from sticking to machinery	Lining of cans, cups, fast food packaging, take-out containers, water bottles,, condiment packets, chip & snack bags, paper and plastic wrappers; textiles	 • EDC, Obesogen • Metabolic Disruptor • Reproductive Disruptor • Neuro-Disruptor • Cardiovascular Disruptor • Carcinogen
FLAME RETARDANTS	• Prevents plastic from catching fire	Almost all products	 • EDC & same as above. Lowered I.Q.
HEAVY METALS • Lead • Mercury • Cadmium and others	• Adds color! • Makes plastic soft, pliable • Catalyzes (kick starts) other chemical reactions used to make plastic	Almost all products	• Neurotoxin Lower IQ, Learning & attention, psych & behavioral disorders • Carcinogen