

Phthalates



What are Phthalates?

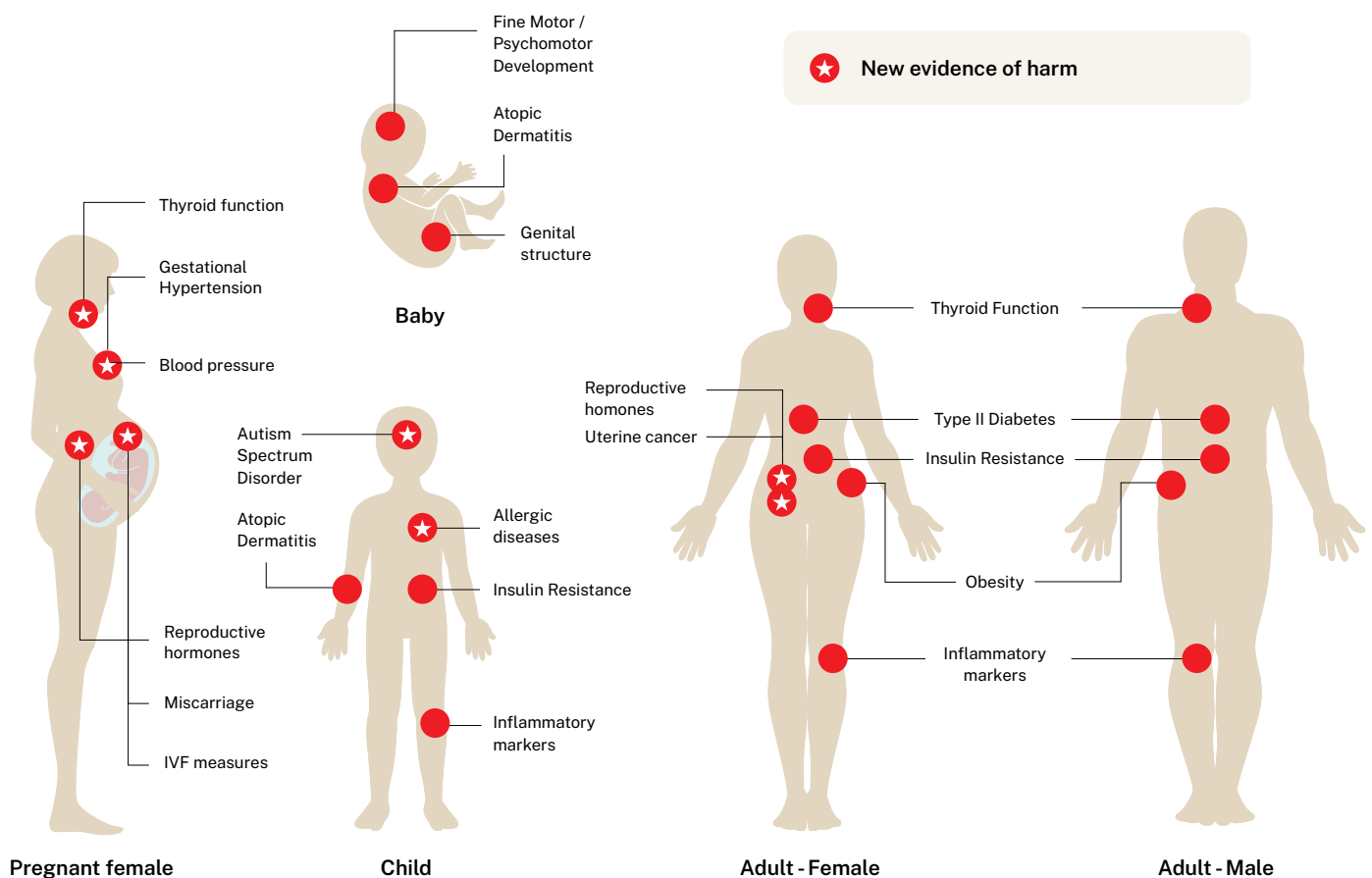
Phthalates are commonly used plasticisers, which are additives used to make plastics flexible.

They are commonly used in polyvinyl chloride (PVC) and have been detected in polyethylene terephthalate (PET), polyvinyl acetate (PVA), polyethylene (PE), polypropylene (PP), polystyrene (PS), polyamide (PA) and polycarbonate (PC) plastic materials.

Phthalates exposure often occurs through the use of these products:

- Children's toys
- Clothing
- Food packaging and processing materials
- Medical devices such as IV bags and tubing
- Cosmetics and personal care products
- Vinyl floor coverings and other building products
- Flexible PVC pipes

There is consistent and significant evidence between Phthalate exposure and multiple health harms:



Sources:

Mulders Y., Cann S., Carpenter C., Chiles T., Kabeya H., Lyons A., Shetty S., Sonn C., Symeonides C., Tahroudi Z., Thapa K., Dunlop S., Landrigan P. (2026). The Global Observatory on Planetary Health: PlasticHealthAware (Version 2.0). Boston College, Boston. <https://plastichealthaware.bc.edu/>
Geueke B, Groh KJ, Maffini MV, Martin OV, Boucher JM, Chiang YT, Gwosdz F, Jieh P, Kassotis CD, Lanska P, Myers JP, Odermatt A, Parkinson LV, Schreier VN, Srebny V, Zimmermann L, Scheringer M and Muncke J (2022) "Systematic Evidence on migrating and extractable Food Contact Chemicals: Most Chemicals detected in Food Contact Materials are not listed for Use" Critical Reviews in Food Science and Nutrition, DOI: 10.1080/10408398.2022.2067828

Food Packaging Forum Foundation (2022) "FCCmigex Database." <https://www.foodpackagingforum.org/fccmigex>



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