

studies in children support the hypothesis that environmental exposure to PFASs may lead to compromised immune functions. An attenuation of vaccination responses may endanger the intended disease prevention of this public health effort, as illustrated by non-protective antibody concentrations in highly exposed children despite having completed all recommended vaccinations. Further, immune modulation may result in decreased resistance against infections in general, as has been found in studies of infants and small children. While some PFASs may be considered carcinogenic, the role of the immune system in this regard is so far unclear. Likewise, studies on allergy development and autoimmunity are needed to elucidate the wider implications of PFAS-associated immune dysfunction.

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