

			Rese	arch Topics		
xposures	T1.P1. Human Biomonitoring (HBM)	T1.P2 Biomarkers in smoking and vaping populations	T1.P3 Acute CO Exposure	T1.P4 Assessing (nano-) particle exposures from consumer products including those using advanced materials	T1.P5 Bioaerosol quantitation and effects	T1.P6 Indoor air pol
lth	T2.P1 Air pollution and adverse birth outcomes	T2.P2 Air pollution – impacts on the brain across the life course	T2.P3 Indoor exposures and health	T2.P4 Exposures in transport microenvironments and their impact on health	T2.P5 Disentangling effects of NO2 and PM2.5 in time-series analysis	
d Effect	T3.1 Understanding key molecular events following fibre and combustion particle pollutant exposure	T3.P2 Health Effects of non-combustion particles	T3.P3 The role of the AhR in Asthma	T3.P4 E-cigarette toxicity and health effects from second-hand exposures	T3.P5 Improved in vitro systems for evaluating and comparing inhalation toxicity of air pollutants including No2 and PM	T3.P6 Use of impro in vitro systems of evaluate the mechanisms of tox and their relative significance for rea inhalation exposure advanced materi including nanomate
Preparedness	T4.P1 Human health impacts from exposures to perfluorinated chemicals	T4.P2 Microplastic toxicity in human in vitro models	T4.P3 Drugs of misuse	T4.P4 Health impact of living near a biomass- fuelled electricity generating installation	T4.P5 Understanding public exposures to toxicants from waste fires	T4.P6 Air Pollution infertility
			Public invo	lvement, Training		
Contribution to expe (e.g., Committee Effects of Air F	e on Medical PhD and I	Early Research Career training	Public Engagement and involvement activities	Stakeholder workshops an webinars		n plain English eholders
capacity. Provide the second s	research outputs and expos	ed understanding of ures to known and environmental toxins	Improved understanding of health effects of air pollutants in different population sectors (e.g., children and elderly). eurological implications of exposure will be established to expand current understanding of the health impacts of air pollution.		vledge of the indoor environment will ve, including health risks associated with place(s) where people spend ne. Examining different locations will a larity to the impact of travel on health.	dd range of pollutants
Research	Redu h will benefit stakeholders relati		sure related impacts on health		olth burden and increased risk a tate the management of emerged	
	Economic impact	Regu	latory impact	Political im	ipact	Scientific impa
om S	Healthcare cost savings. Cost-effectiveness of mitigation, control and/o intervention		Contribution to regulatory agenda; chemical exposures		idelines, risk olicy change	Contribution to evide

With funding from NIHR, HPRU EEH aims to strengthen UKHSA capability and capacity to understand the impacts of environmental exposures on health. Staff at Imperial College, MRC Toxicology Unit and UKHSA

Major Stakeholders: DHSC, UKHSA, Other (e.g., academia, arms length bodies)



Knowledge Mobilisatio