International Lead Poisoning Prevention Week (18–24 Oct 2026) – theme 'From Detection to Prevention'

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News

The 14th International Lead Poisoning Prevention Week was observed from 18 to 24 Oct 2026 with the theme 'From Detection to Prevention'. The message: lead poisoning is often hidden and comes from many sources, so it must first be identified and then proven preventive actions applied. It is driven by the Global Alliance to Eliminate Lead Paint, led by the World Health Organization (WHO) and the UN Environment Programme (UNEP); governments were urged to enact and enforce laws eliminating lead paint.

Key facts

Week	18–24 Oct 2026 – 14th edition
Theme	'From Detection to Prevention'
Driven by	Global Alliance to Eliminate Lead Paint – led by WHO + UNEP
Deaths	More than 3.5 million deaths worldwide in 2023 attributed to lead exposure (mainly cardiovascular) – WHO
Lead-paint laws	Only 48% of countries had legally binding controls as of Jan 2024

Safe level	No level of lead exposure is known to be safe (WHO)

Background

- Science: lead – symbol Pb (Latin 'plumbum'), atomic number 82. A cumulative toxicant affecting many organs – brain, kidneys, blood, heart. It permanently harms children's brain development and lowers IQ; it blocks haem synthesis, causing anaemia; it also raises blood pressure.
- Sources: mining, smelting, recycling (especially used lead-acid batteries), paint, solder, ceramic glazes, toys, and some traditional cosmetics and medicines (WHO).
- Petrol: tetraethyl lead (TEL) was added to petrol as an anti-knock agent. India phased it down from 1994 and switched fully to unleaded petrol nationwide in 2000. With Algeria, the last country, stopping in July 2021, UNEP declared the leaded-petrol era over in August 2021.
- Indian law: under the Environment (Protection) Act, 1986, the Union Ministry of Environment, Forest and Climate Change notified the 'Regulation on Lead Contents in Household and Decorative Paints Rules, 2016' – lead above 90 ppm banned (in force from Nov 2017). Used batteries are covered by the 'Battery Waste Management Rules, 2022' – extended producer responsibility (EPR).

Tamil Nadu link: Pure Earth assessed a used lead-acid battery (ULAB) smelter at Rangapuram near Vellore in 2012. Later, in a Vellore project with the Tamil Nadu Pollution Control Board and VIT as partners (preliminary assessment Sept 2018), the highest lead levels were found in the yard of a school/day-care centre attended by about 50 children under 5 near a ULAB smelter – a direct example of the theme 'From Detection to Prevention'.

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