

Pure Earth Bangladesh's Lead Program

Between 2020 and 2023, Pure Earth Bangladesh together with its partners made significant strides in combating lead poisoning in Bangladesh. Our technical excellence continues to improve the health and well-being of communities affected by lead pollution. Learn more about the impact of our Lead Program.



REACH

04 projects

led by Pure Earth to assess and prevent lead poisoning from various sources including spices, cookware, paint, and contaminated sites from used lead-acid battery recycling. Our partners: DoE, DGHS, DU, ESDO, Georgetown University, icddr,b, IEDCR, KU, MoEFCC, UNICEF, and many others.



HEALTH SURVEILLANCE

3,201 tests

of blood lead levels of pregnant women and children were administered in Bangladesh.



HOUSEHOLD ASSESSMENTS

232 homes

assessed for lead exposure sources through Home Based Assessments in Bangladesh.



CONSUMER PRODUCT TESTING

197 samples

of spices, paints, cosmetics, cookware, and other foods and products from 15 marketplaces in 4 districts analyzed for lead-contamination.



SITE ASSESSMENTS

259 polluted sites

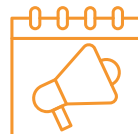
assessed for contamination, and added to the Toxic Sites Identification Program database.



SITE REMEDIATIONS

86,350 sq meters

of land contaminated with lead from used lead-acid battery recycling, remediated through 3 projects.



AWARENESS RAISING

19 events

were organized to raise awareness of lead pollution, including film shows, exhibitions, seminars, briefings, and outreach events.

Pure Earth Bangladesh

Pure Earth, a US-based environmental NGO registered in Bangladesh (Reg. No: 3366), leads evidence-based solutions for lead pollution in low and middle-income countries.

Global Lead Program: Pure Earth's 5-Phase Approach to Solving Lead Poisoning

Our goal is to measurably and sustainably reduce lead pollution and poisoning where we work and to encourage and enable increased action by other stakeholders in the global health and development sphere.

Pure Earth's Global Lead Program strategy is designed around a framework of five core elements. This 5-phase approach was informed by our years of experience implementing over 50 projects in multiple countries to mitigate lead exposure.



Health Surveillance

Conduct baseline blood lead level (BLL) testing and analysis to understand the exposure's prevalence, severity, and location.



Communications

Disseminate findings and recommendations to inform and build support with governments and funders for action, and raise community awareness.



Source-specific Interventions

Design and implement a range of interventions to reduce exposures and the use or release of lead in products and industrial processes.



Institutional Strengthening

Enhance the capabilities of government institutions to plan, implement, and sustain effective public health programs to reduce lead poisoning.



Source Analyses

Measure likely sources in homes where people have elevated lead levels, to determine the most significant sources of exposure.

“TOGETHER, WE REDUCE LEAD EXPOSURE, RAISE AWARENESS, AND SAFEGUARD LIVES.”