

Asbestos & Lead		Synopsis
Title	Lead-based paint and Asbestos Awareness - GA Env. Protection Division	Describes in detail Georgia's Lead Renovation, Repair, and Painting Program (RRP) as well as an Asbestos program. Lead is found at home, schools, in products, water, outdoor air, soil, and dust. In the home it is found in paint on walls, doors, and windows, in pipes, vinyl blinds, toys, and the soil around the home. The most at risk for health effects caused by lead is pregnant women and children. In children it causes behavior & learning problems, anemia, lower IQ, hearing problems, slowed growth, and in rare cases, seizures, coma, or death. It can also cause premature birth, cardiovascular problems, decreased kidney functions, and reproductive problems in adults. Lead poisoning in children costs \$43 billion per year for direct and indirect costs.
Author(s)	EPA	
AA Location	2-8	
Web address		
Title	Childhood Lead Poisoning	The World Health Organization provides an outline of the consequences and sources of childhood lead poisoning throughout the world. Lead poisoning accounts for 0.06% of total burden of disease worldwide and is completely preventable. Lead exposure can be from paints, petrol, mining, paints and pigments, food cans, ceramic glazes, drinking water with lead pipes, electronic waste, and products like cosmetics and toys. Exposure can cause colic, anemia, depression of the central nervous system that causes coma, seizures, or death. It also has a severe detrimental effect on the developing brain and nervous system and can lead to loss of intelligence and shortening attention span. There is no threshold level of lead exposure that is considered safe and not detrimental to human health. Childhood lead poisoning costs \$43 billion annually and for every one dollar spent to reduce lead hazards, the benefit is \$17-\$220 dollars.
Author(s)	WHO	
AA Location	2-9	
Web address		
Title	Lead Poisoning	Over 500,000 children under 5 in the US are poisoned by lead, and 24 million US homes have lead-based paint hazards. Lead poisoning causes a decrease in IQ, cognitive function, and developmental delays. High levels can cause seizures, coma, and/or death. \$38,000 per impacted child over three years is the economic cost of lead poisoning. For every \$1 dollar spent on reducing lead hazards, \$17-\$220 is saved. It is estimated that without HUD's intervention in 370,000 housing units contaminated with lead, 265,000 children would have had gotten lead poisoning.
Author(s)		
AA Location		
Web address		

Asbestos & Lead		Synopsis
Title	Childhood Lead Poisoning: Conservative Estimates of the Social and Economic Benefits of Lead Hazard Control	A cost-benefit analysis was done of indoor lead-based paint hazard control. It was found that for every \$1 dollar spent on hazard control, \$17-\$221 dollars were saved. This amount to a net savings of \$181-\$269 billion per year.
Author(s)	Environmental Health Perspectives	
AA Location	3-9	
Web address		
Title	Lead Exposures in US Children, 2008: Implications for Prevention	There is no threshold for safe lead exposure levels. Even low levels of exposure to children causes intellectual development and achievement. Lead-based paint and dust account for 70% of all elevated blood lead levels in children in the US. However, the remaining 30% can come from a variety of sources. To continue to limit lead exposure to children, collaborations across all levels of government is needed to assess, control, and remediate lead exposure and its sources.
Author(s)	Environmental Health Perspectives	
AA Location	5-3	
Web address		
Title	Automated counting of airborne asbestos fibers by a high-throughput microscopy method	It has been known for awhile that inhalation of asbestos causes serious health issues and death, yet 3,000 Americans die from exposure to asbestos every year. Lung cancer and malignant mesothelioma are both fatal outcomes of asbestos exposure. High-throughput Microscopy is one potential alternative for evaluation of airborne asbestos content in a given area.
Author(s)	Sensors	
AA Location		
Web address		