Impact of Outdoor Air Pollution on Child Health and Well-Being

Health and Policy Context

	, includ	ding outdoor	, C	an be	
important contribut	ors to health	n. Exposure t	o poor outdo	oor air	
quality (i.e., air pollu					
and families. Outdoo					
smoke or particulate	e matter) an	a grouna-iev	ei ozone (i.e	., smog).	
Children are at a		_of negative	1	caused by	/
outdoor air pollution	n since their	organs are s	till developin	g, and they hav	ve ·
higher					
air pollution can inc					
and other behaviora					
and other behaviore					
				-	
		_			

In Utero Exposure to Outdoor Air Pollut	tion
abnormalities, such as chronic lung disease of premate with and mortality and increased reduring the prenatal period can impair	e to air pollutants during pregnancy and adverse birth which can rates of, and cardio-respiratory urity. Preterm birth and low birth weight are also associated morbidity in adulthood. Moreover, exposure to air pollution and organ development and is associated with childhood exposure to air pollution during pregnancy can also increase
Asthma and Allergic Diseases	
Studies have demonstrated an association between air pollution and, including:	Marginalized Communities Are More Likely to Be Exposed to Outdoor Air Pollution and Other Cumulative Environmental Stressors
 Asthma. Exposure to air pollution can increase the risk of	Various studies conclude that, and, and, and, who are more likely to live to tra to facilities that produce pollutants (e.g., factories), are disproportionately exposed to outdoor air pollution. Moreover, some marginalized may be disproportionately exposed to and/or social and environmental stressors (e.g., substandard housing conditions and extreme heat, limited safe greenspace access; and air pollution) over their lifetime, which compound to negatively impact health and well-being and exacerbate health disparities. ⁴
Other Respiratory Issues	
and exposure to outdoor air pollut respiratory issues, including:	ion is associated with an increased risk for childhood
children, which can in turn contribute to poor resp	posure to air pollutants can impact in biratory outcomes into adulthood. Furthermore, another pregnancy and early life is associated with reduced lung
 Respiratory Infections. Exposure to air pollution of the control of	

__ suggests exposure to outdoor air pollution in utero or during ____ can impact brain development

and ______. Specifically, one _____ demonstrates the relationship between exposure to air pollution and neurological development, including an increased risk of developmental disorders like attention-deficit/hyperactivity disorders or autism spectrum disorders. Another _____ shows children ages 2 to 4 who were exposed to air pollution were at a higher risk of worse behavioral function and cognitive performance.

Behavior and Development