Toxicological Sciences

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Increases in Oxidized Low-Density Lipoprotein and Other Inflammatory and Adhesion Molecules With a Concomitant Decrease in High-Density Lipoprotein in the Individuals Exposed to Arsenic in Bangladesh

Editor’s Highlight: Karim and colleagues present a straightforward population-level analysis of the association between arsenic intake (assessed by drinking water levels and buffeted by nail clipping and hair measurements) and several novel markers of cardiovascular disease, namely oxidized low density lipoprotein and vascular cell adhesion molecule. It is unclear whether these outcomes represent simple biomarkers or drivers of pathology. While the study design does not permit the determination of causality or lend insight into the underlying mechanism, it is a clear motivator to better explore these relationships in populations exposed chronically to arsenic at or around levels within current “safe” limits. – Matthew Campen

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