

***Interactive comment on “Relationship between
particulate matter and childhood asthma – basis
of a future warning system for Central Phoenix”
by R. Dimitrova et al.***

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I found this study interesting and important for understanding the effect of PM₁₀ concentration outbursts on the human health, specifically asthma attacks. The results seem to be solid, but I'd like to get more justification for the presumption of a linear regression between the input and output data. The cross-correlation analysis could be used as an alternative approach.

The analysis of daily averaged information suggests that the time lag between sudden increase of PM₁₀ and most of the registered asthma attacks is quite short, but it could as short as a few hours, which requires a more detailed data base. This is an important

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issue for developing and/or improving an urban warning system.

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