BURDEN OF ANXIETY AND DEPRESSION IN THE DIFFICULT ASTHMA CLINIC AND RELATIONSHIP TO OUTCOME

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Ambient air pollution and admissions to hospital with exacerbations of asthma

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Background Air pollution has been linked to increased morbidity and mortality associated with a number of chronic health conditions including asthma. We hypothesised that levels of ambient air pollution would be related to the number of hospital admissions with exacerbations of asthma.

Methods Data on asthma admissions to a large acute NHS trust in the East Midlands were extracted using discharge diagnosis codes over a five-year period from April 2011 to March 2016. Ambient air pollution levels during this period were obtained from the website of the Department for Environment, Food and Rural Affairs. These data were based on a single monitoring station located in the centre of the City which recorded hourly readings of ozone, nitrogen oxides and...