

# Occupational and Environmental Medicine



## Contents


### Commentary

- 71 Landfill sites and congenital anomalies – have we moved forward? *M Vrijheid*

### Review

- 72 Future needs of occupational epidemiology of extremely low frequency electric and magnetic fields: review and recommendations *L Kheifets, J D Bowman, H Checkoway, M Feychting, J M Harrington, R Kavet, G Marsh, G Mezei, D C Renew, E van Wijngaarden*

### Original articles

- 81  Geographic density of landfill sites and risk of congenital anomalies in England *P Elliott, S Richardson, J J Abellan, A Thomson, C de Hoogh, L Jarup, D J Briggs*
- 90 Repeated respiratory hospital encounters among children with asthma and residential proximity to traffic *J Chang, R J Delfino, D Gillen, T Tjoa, B Nickerson, D Cooper*
- 99 Urinary naphthalene and phenanthrene as biomarkers of occupational exposure to polycyclic aromatic hydrocarbons *J R Sobus, S Waidyanatha, M D McClean, R F Herrick, T J Smith, E Garshick, F Laden, J E Hart, Y Zheng, S M Rappaport*
- 105 A cross-sectional study of lung function and respiratory symptoms among chemical workers producing diacetyl for food flavourings *F G B G J van Rooy, L A M Smit, R Houba, V A C Zaat, J M Rooyackers, D J J Heederik*

February 2009 Vol 66 No 2

- 111 Which tools best predict the incidence of work-related sensitisation and symptoms *E Suarathana, J-L Malo, D Heederik, H Ghezzi, J L'Archevêque, D Gautrin*
- 118 Mobile phone base stations and adverse health effects: phase 1 of a population-based, cross-sectional study in Germany *M Blettner, B Schlehofer, J Breckenkamp, B Kowall, S Schmiedel, U Reis, P Potthoff, J Schüz, G Berg-Beckhoff*
- 124 Mobile phone base stations and adverse health effects: phase 2 of a cross-sectional study with measured radio frequency electromagnetic fields *G Berg-Beckhoff, M Blettner, B Kowall, J Breckenkamp, B Schlehofer, S Schmiedel, C Bornkessel, U Reis, P Potthoff, J Schüz*
- 131 The effect of pain on sickness absence among middle-aged municipal employees *P Saastamoinen, M Laaksonen, E Lahelma, P Leino-Arjas*

### Short report

- 137 Prevalence of low back pain and concurrent psychological distress over a 16-year period *O Leijon, M Mulder*

### PostScript

- 140 Geographic density of landfill sites and risk of congenital anomalies in England: authors' response *P Elliott, S Richardson, J J Abellan, A Thomson, C de Hoogh, L Jarup, D J Briggs*
- 140 Identifying cancer sites for human carcinogens in the IARC monographs *J Huff, P Infante*



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://oem.bmj.com/info/unlocked.dtl>

C O P E COMMITTEE ON PUBLICATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics [www.publicationethics.org.uk](http://www.publicationethics.org.uk)



## Stay a step ahead with Online First

We publish all our original articles online before they appear in a print issue.

This means that the latest clinical research papers go straight from acceptance to your browser, keeping you at the cutting edge of medicine. We update the site weekly so that it remains as topical as possible.

Follow the Online First link on the homepage and read the latest research.

[oem.bmj.com](http://oem.bmj.com)