

## \*Quick Environmental Exposure and Sensitivity Inventory (QEESI) Publications by Country

### Austria

Weiss, E. M., Singewald, E., Baldus, C., Hofer, E., Marksteiner, J., Nasrouei, S., . . . Holzer, P. (2017). Differences in psychological and somatic symptom cluster score profiles between subjects with Idiopathic environmental intolerance, major depression and schizophrenia. *Psychiatry Research*, 249, 187-194. doi:10.1016/j.psychres.2016.12.057

### China

Huang, L.-L., Ikeda, K., Chiang, C.-M., Kagi, N., Hojo, S., & Yanagi, u. (2011). Field Survey on the Relation between IAQ and Occupants' Health in 40 Houses in Southern Taiwan. *Journal of Asian Architecture and Building Engineering*, 10. doi:10.3130/jaabe.10.249

Huang, L.-L., Ikeda, K., Hojo, S., Kagi, N., & Juan, H.-C. (2014). Study of the different Cutoff Point of the QEESI Questionnaire as a Screening Tool for Sick Building Syndrome Diagnosis in Taiwan. *Journal of Asian Architecture and Building Engineering*, 13(2), 507-513. doi:10.3130/jaabe.13.507

### Columbia

Storino, V., Muñoz-Ortiz, J., Villabona-Martinez, V., Villamizar-Sanjuán, J. D., Rojas-Carabali, W., & de-la-Torre, A. (2021). An Unusual Case of Multiple Food Allergies Comorbid with Multiple Chemical Sensitivity: A Case Report. *Journal of asthma and allergy*, 14, 317–323.  
<https://doi.org/10.2147/JAA.S293248>

### Denmark

Dantoft, T. M., Elberling, J., Brix, S., Szecsi, P. B., Vesterhauge, S., & Skovbjerg, S. (2014). An elevated pro-inflammatory cytokine profile in multiple chemical sensitivity. *Psychoneuroendocrinology*, 40, 140-150. doi:10.1016/j.psyneuen.2013.11.012

Hauge, C. R., Rasmussen, A., Piet, J., Bonde, J. P., Jensen, C., Sumbundu, A., & Skovbjerg, S. (2015). Mindfulness-based cognitive therapy (MBCT) for multiple chemical sensitivity (MCS): Results from a randomized controlled trial with 1 year follow-up. *Journal of Psychosomatic Research*, 79(6), 628-634. doi:10.1016/j.jpsychores.2015.06.010

Skovbjerg, S., Berg, N. D., Elberling, J., & Christensen, K. B. (2012). Evaluation of the Quick Environmental Exposure and Sensitivity Inventory in a Danish Population. *Journal of Environmental and Public Health*, 2012, 304314. doi:10.1155/2012/304314

Tran, M. T. D., Skovbjerg, S., Arendt-Nielsen, L., Bech, P., Lunde, M., & Elberling, J. (2014). Two of three patients with multiple chemical sensitivity had less symptoms and secondary hyperalgesia after transcranially applied pulsed electromagnetic fields. *Scand J Pain*, 5(2), 104-109. doi:10.1016/j.sjpain.2013.11.008

Tran, M. T. D., Skovbjerg, S., Arendt-Nielsen, L., Christensen, K. B., & Elberling, J. (2017). A randomised, placebo-controlled trial of transcranial pulsed electromagnetic fields in patients with multiple chemical sensitivity. *Acta Neuropsychiatrica. Officieel Wetenschappelijk Orgaan van Het IGBP (Interdisciplinair Genootschap voor Biologische Psychiatrie)*, 29(5), 267-277. doi:10.1017/neu.2016.51

## **Finland**

Heinonen-Guzejev, M., Koskenvuo, M., Mussalo-Rauhamaa, H., Vuorinen, H., Heikkilä, K., & Kaprio, J. (2012). Noise sensitivity and multiple chemical sensitivity scales: Properties in a population based epidemiological study. *Noise and Health*, 14(60), 215-223. doi:10.4103/1463-1741.102956

Selinheimo, S., Vuokko, A., Hublin, C., Järnefelt, H., Karvala, K., Sainio, M., . . . Paunio, T. (2019). Health-related quality among life of employees with persistent nonspecific indoor-air-associated health complaints. *Journal of Psychosomatic Research*, 122, 112-120. doi:10.1016/j.jpsychores.2019.03.181

Vuokko, A., Karvala, K., Suojalehto, H., Lindholm, H., Selinheimo, S., Heinonen-Guzejev, M., . . . Sainio, M. (2019). Clinical Characteristics of Disability in Patients with Indoor Air-Related Environmental Intolerance. *Safety and health at work*, 10(3), 362-369. doi:10.1016/j.shaw.2019.06.003

## **France**

Kamoun, H., Romdhane, N. A., Rekik, W., Laadheri, N., Youssef, I., Ben Salah, F., & Gharbi, R. (2011). Multiple chemical sensitivity syndrome. Observation of a cohort of 20 workers. *Archives des Maladies Professionnelles et de l'Environnement*, 72(1), 73-79.  
<https://doi.org/10.1016/j.admp.2010.08.006>

## **Germany**

Bauer, A., Schwarz, E., Martens, U. (2007). Patients with multiple chemical sensitivities: A case for environmental or psychosomatic medicine? *Zeitschrift fur Allgemeinmedizin*, 83(11):442-446.

Schnakenberg, E., Fabig, K. R., Stanulla, M., Strobl, N., Lustig, M., Fabig, N., & Schloot, W. (2007). A cross-sectional study of self-reported chemical-related sensitivity is associated with gene variants of drug-metabolizing enzymes. *Environmental health : a global access science source*, 6, 6. <https://doi.org/10.1186/1476-069X-6-6>

## **Indonesia**

Hildebrandt, S., Kubota, T., Sani, H. A., & Surahman, U. (2019). *Indoor Air Quality and Health in Newly Constructed Apartments in Developing Countries: A Case Study of Surabaya, Indonesia*. *Atmosphere*, 10(4):182

Kubota, T., Sani, H. A., Hildebrandt, S., & Surahman, U. (2020). Indoor air quality and self-reported multiple chemical sensitivity in newly constructed apartments in Indonesia. *Architectural Science Review*. <https://doi.org/10.1080/00038628.2020.1779647>

## **Italy**

Caccamo, D., Cesareo, E., Mariani, S., Raskovic, D., Lentile, R., Currò, M., . . . De Luca, C. (2013). Xenobiotic sensor- and metabolism-related gene variants in environmental sensitivity-related illnesses: a survey on the Italian population. *Oxidative Medicine and Cellular Longevity*, 2013, 831969. doi:10.1155/2013/831969

De Luca, C., Scordo, M. G., Cesareo, E., Pastore, S., Mariani, S., Maiani, G., . . . Korkina, L. G. (2010). Biological definition of multiple chemical sensitivity from redox state and cytokine profiling and not from polymorphisms of xenobiotic-metabolizing enzymes. *Toxicology and Applied Pharmacology*, 248(3), 285-292. doi:10.1016/j.taap.2010.04.017

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- De Luca, C., Gugliandolo, A., Calabrò, C., Currò, M., Ientile, R., Raskovic, D., . . . Caccamo, D. (2015). Role of Polymorphisms of Inducible Nitric Oxide Synthase and Endothelial Nitric Oxide Synthase in Idiopathic Environmental Intolerances. *Mediators of Inflammation*, 2015, 245308. doi:10.1155/2015/245308
- Gugliandolo, A., Gangemi, C., Calabrò, C., Vecchio, M., Di Mauro, D., Renis, M., . . . Caccamo, D. (2016). Assessment of glutathione peroxidase-1 polymorphisms, oxidative stress and DNA damage in sensitivity-related illnesses. *Life Sciences*, 145, 27-33. doi:10.1016/j.lfs.2015.12.028
- Micarelli, A., Viziano, A., Bruno, E., Micarelli, E., & Alessandrini, M. (2016). Vestibular impairment in Multiple Chemical Sensitivity: Component analysis findings. *Journal of Vestibular Research*, 26(5-6), 459-468. doi:10.3233/ves-160594
- Micarelli, A., Viziano, A., Genovesi, G., Bruno, E., Ottaviani, F., & Alessandrini, M. (2016). Lack of contralateral suppression in transient-evoked otoacoustic emissions in multiple chemical sensitivity: a clinical correlation study. *Noise Health*, 18(82), 143-149. doi:10.4103/1463-1741.181997
- Viziano, A., Micarelli, A., & Alessandrini, M. (2017). Noise sensitivity and hyperacusis in patients affected by multiple chemical sensitivity. *International Archives of Occupational and Environmental Health*, 90(2), 189-196. doi:10.1007/s00420-016-1185-8

## Japan

- Azuma, K., Uchiyama, I., Takano, H., Tanigawa, M., Azuma, M., Bamba, I., & Yoshikawa, T. (2013). Changes in cerebral blood flow during olfactory stimulation in patients with multiple chemical sensitivity: a multi-channel near-infrared spectroscopic study. *PLoS One*, 8(11), e80567. doi:10.1371/journal.pone.0080567
- Azuma, K., Uchiyama, I., Katoh, T., Ogata, H., Arashidani, K., & Kunugita, N. (2015a). Prevalence and Characteristics of Chemical Intolerance: A Japanese Population-Based Study. *Archives of Environmental & Occupational Health*, 70(6), 341-353. doi:10.1080/19338244.2014.926855
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### **Saudi Arabia**

- Khalil, A. I., Almutairi, M. S., & Ahmed, M. E. (2020). Assessing risk factors of Autism Spectrum Disorders (ASD) and Attention Deficit Hyperactivity Disorder (ADHD) among Saudi Mothers: A retrospective study [Article]. *Clinical Schizophrenia and Related Psychoses*, 14(1), Article 092320. <https://doi.org/10.3371/CSRP.IASM.092320>

### **South Korea**

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## **Spain**

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## **Sweden**

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## **United States**

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doi:10.1371/journal.pone.0238296

### **Uruguay**

De Ben, S., Sponton, F., Chaves, E., Medina, F., Tomasina, F. (2014.) Multiple chemical sensitivity: a challenge for occupational health. *Rev Med Urug*, 30: 123-127.