

Correction

Correction: Soppa, V.J., et al. Respiratory Effects of Fine and Ultrafine Particles from Indoor Sources—A Randomized Sham-Controlled Exposure Study of Healthy Volunteers *Int. J. Environ. Res. Public Health* 2014, 11, 6871–6889

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The authors wish to make the following amendments to their paper published in *International Journal of Environmental Research and Public Health* [1]:

1. Page 6880, Table 3: “FEV₁/FVC[%]” should read “FEV₁/FVC”.
2. Page 6880, Table 4: “10,000 Number/cm³ (PNC)” should read “10,000 /cm³ (PNC)”, “FEV₁/FVC (%)” should read “FEV₁/FVC × 1000”. The items for FEV₁ for Toasting Bread and Frying Sausages were missing. The correct Table 4 should be:

Table 4. Mean effect estimates and 95% Confidence Interval (CI) for changes (difference) associated with an increase in particulate metrics post 4 h and 24 h post exposure and for different exposure scenarios for PMC, PSC and PNC. Changes refer to an increase of 10 µg/m³ (PMC), 100 µm²/cm³ (PSC) and 10,000 /cm³ (PNC).

| Lung function measure | Exposure scenario | PMC | | | | | | PSC | | PNC | |
|-----------------------|-------------------|------------------|---------------|-------------------|---------------|-----------------|---------------|---------------|---------------|---------------|------------|
| | | PM ₁₀ | | PM _{2.5} | | PM ₁ | | | | <100 nm | |
| | | Mean (95%-CI) | | Mean (95%-CI) | | Mean (95%-CI) | | Mean (95%-CI) | | Mean (95%-CI) | |
| | | Post 4 h | Post 24 h | Post 4 h | Post 24 h | Post 4 h | Post 24 h | Post 4 h | Post 24 h | Post 4 h | Post 24 h |
| FEV ₁ (mL) | Candle burning | | | | | | | | | | |
| | crude model | 7 (-1; 15) | 5 (-3; 13) | 8 (0; 16) | 5 (-3; 13) | 8 (0; 16) | 5 (-3; 13) | 2 (0; 3) | 1 (-1; 2) | 0 (0; 0) | 0 (0; 0) |
| | full model * | -18 (-40; 4) | -19 (-41; 3) | -19 (-43; 5) | -20 (-44; 4) | -22 (-47; 3) | -23 (-48; 2) | -13 (-20; -6) | -13 (-20; -6) | -1 (-2; 1) | -1 (-2; 1) |
| | Toasting bread | | | | | | | | | | |
| | crude model | 0 (-2; 2) | 0 (-2; 2) | 4 (-2; 10) | 2 (-4; 8) | 11 (1; 21) | 10 (0; 20) | 3 (1; 5) | 2 (0; 4) | 1 (0; 1) | 0 (0; 1) |
| | full model | 0 (-2; 2) | 0 (-8; 8) | 1 (-5; 7) | -2 (-16; 12) | -6 (-26; 14) | -7 (-27; 13) | -2 (-10; 5) | -3 (-10; 5) | 1 (-2; 4) | 1 (-2; 4) |
| | Frying sausages | | | | | | | | | | |
| | crude model | 0 (-2; 2) | 1 (-1; 3) | 0 (-4; 4) | 1 (-3; 5) | 1 (-3; 5) | 2 (-2; 6) | 1 (-2; 3) | 0 (-2; 3) | 0 (-1; 2) | 0 (-1; 2) |
| | full model | -3 (-7; 1) | -2 (-8; 4) | -6 (-12; 0) | -5 (-13; 3) | -5 (-13; 3) | -3 (-11; 5) | -1 (-6; 4) | 0 (-5; 5) | 0 (-5; 5) | 0 (-5; 6) |
| FVC (mL) | Candle burning | | | | | | | | | | |
| | crude model | 8 (-2; 18) | 7 (-3; 17) | 9 (-1; 19) | 8 (-2; 18) | 9 (-1; 19) | 8 (-2; 18) | 2 (0; 4) | 0 (-2; 2) | 0 (0; 0) | 0 (0; 0) |
| | full model | -13 (-38; 12) | -12 (-39; 15) | -12 (-39; 15) | -11 (-38; 16) | -13 (-44; 18) | -12 (-43; 19) | -9 (-18; -1) | -10 (-18; -1) | -1 (-3; 0) | -1 (-3; 0) |
| | Toasting bread | | | | | | | | | | |
| | crude model | 0 (-2; 2) | -1 (-3; 1) | 4 (-2; 10) | 1 (-5; 7) | 14 (4; 24) | 14 (4; 24) | 3 (1; 5) | 2 (0; 5) | 1 (0; 1) | 0 (0; 1) |
| | full model | 0 (-2; 2) | -2 (-10; 6) | 1 (-7; 9) | -2 (-16; 12) | 0 (-22; 22) | 0 (-21; 19) | 1 (-7; 9) | 1 (-7; 8) | 1 (-2; 4) | 1 (-2; 4) |
| | Frying sausages | | | | | | | | | | |
| | crude model | 0 (-2; 2) | 0 (-2; 2) | 0 (-4; 4) | 0 (-4; 4) | 1 (-3; 5) | 0 (-4; 4) | 0 (-2; 3) | -1 (-3; 1) | 0 (-1; 2) | -1 (-2; 1) |
| | full model | 2 (-2; 6) | 1 (-3; 5) | 3 (-3; 9) | 2 (-4; 8) | 5 (-1; 11) | 4 (-4; 12) | 3 (-1; 7) | 2 (-3; 7) | 4 (-1; 8) | 3 (-2; 8) |

Table 4. Cont.

| Lung function measure | Exposure scenario | PMC | | | | | | PSC | | PNC | |
|-----------------------------------|-------------------|------------------|-------------|-------------------|------------|-----------------|------------|---------------|------------|---------------|------------|
| | | PM ₁₀ | | PM _{2.5} | | PM ₁ | | Mean (95%-CI) | | <100 nm | |
| | | Mean (95%-CI) | | Mean (95%-CI) | | Mean (95%-CI) | | Mean (95%-CI) | | Mean (95%-CI) | |
| | | Post 4 h | Post 24 h | Post 4 h | Post 24 h | Post 4 h | Post 24 h | Post 4 h | Post 24 h | Post 4 h | Post 24 h |
| FEV₁/FVC × 1000 | Candle burning | | | | | | | | | | |
| | crude model | 0 (-2; 2) | 0 (-2; 2) | 0 (-2; 2) | 0 (-2; 2) | 0 (-2; 2) | 0 (-2; 2) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) |
| | full model | -2 (-6; 2) | -3 (-7; 1) | -3 (-7; 1) | -3 (-7; 1) | -3 (-7; 1) | -4 (-8; 0) | -1 (-2; 0) | 1 (-2; 0) | 0 (0; 0) | 0 (0; 0) |
| | Toasting bread | | | | | | | | | | |
| | crude model | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (-2; 2) | 0 (-2; 2) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) |
| | full model | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (-2; 2) | -1 (-3; 1) | -1 (-3; 1) | -1 (-2; 0) | -1 (-2; 0) | 0 (0; 0) | 0 (0; 0) |
| | Frying sausages | | | | | | | | | | |
| | crude model | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 0) | 0 (0; 1) | 0 (0; 0) | 0 (0; 0) |
| | full model | -1 (-1; -1) | -1 (-1; -1) | -2 (-4; 0) | -2 (-4; 0) | -2 (-4; 0) | -2 (-4; 0) | -1 (-2; 0) | 0 (-1; 0) | -1 (-2; 0) | -1 (-1; 0) |

Notes: * adjusted for age, height, sex, temperature, humidity, travel time and means of transportation. Abbreviations: FEV₁: forced expiratory volume at 1 s, FVC: forced vital capacity, MEF_{25%-75%}: averaged forced expiratory flow between the full expiration of 25% and 75% of the total FVC, CI: confidence interval; marked in bold: effect estimates where CI did not include the null effect. PMC: particle mass concentration; PSC: particle surface concentration; PNC: particle number concentration; LDSA: lung deposited surface area.

The authors would like to apologize for any inconvenience caused to readers by these changes.

Reference

1. Soppa, V.J.; Schins, R.P.F.; Hennig, F.; Hellack, B.; Quass, U.; Kaminski, H.; Kuhlbusch, T.A.J.; Hoffmann, B.; Weinmayr, G. Respiratory Effects of fine and ultrafine particles from indoor sources—A randomized sham-controlled exposure study of healthy volunteers. *Int. J. Environ. Res. Public Health* **2014**, *11*, 6871–6889.

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