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Correction: The impact of atmospheric pollutants on the physical health of college students based on physical examination data of college students from a university in Xi'an, Shaanxi Province, China

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air quality, physical health of college students, health effects, physical measurement data, pulmonary function of college students

A Correction on

The impact of atmospheric pollutants on the physical health of college students based on physical examination data of college students from a university in Xi'an, Shaanxi Province, China

by He, J., Liu, K., and He, Z. (2025). *Front. Public Health* 13:1428820.
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In the published article, there was an error in the author list, and author Jiaxin He was erroneously included as a Corresponding Author. The corrected author list appears below.
Jiaxin He^{1†}, Ke Liu^{1†} and Zhiyu He^{2*}

In the published article, there was an error in the article title. Instead of “The impact of atmospheric pollutants on the physical health of college students—based on physical examination data of college students from a certain university in Xi'an, Shaanxi Province, China”, it should be “The impact of atmospheric pollutants on the physical health of college students based on physical examination data of college students from a university in Xi'an, Shaanxi Province, China”.

In the published article, these references were erroneously included and should be removed:

37. You, Y. Accelerometer-measured physical activity and sedentary behaviour are associated with C-reactive protein in US adults who get insufficient sleep: a threshold and isotemporal substitution effect analysis. *J Sports Sci.* (2024) 42:527–36. doi: 10.1080/02640414.2024.2348906

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biomarkers and cellular pathways: insights from population-based and mice studies. *CNS Neurosci Ther.* (2024) 30:e14783. doi: 10.1111/cns.14783

43. You, Y, Liu, J, Li, X, Wang, P, Liu, R, and Ma, X. Relationship between accelerometer-measured sleep duration and Stroop performance: a functional near-infrared spectroscopy study among young adults. *PeerJ.* (2024) 12:e17057. doi: 10.7717/peerj.17057

54. You, Y, Ablitip, A, Lin, Y, Tang, M, Qian, W, Zhang, D, et al. Threshold effect of physical exercise on its association to diabetes mellitus in short sleep population: evidence from a nationwide study. *Front Endocrinol.* (2024) 15:1437452. doi: 10.3389/fendo.2024.1437452

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56. You, Y, Chen, Y, Wei, M, Tang, M, Lu, Y, Zhang, Q, et al. Mediation role of recreational physical activity in the relationship between the dietary intake of live microbes and the systemic immune-inflammation index: a real-world cross-sectional study. *Nutrients.* (2024) 16:777. doi: 10.3390/nu16060777

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In the published article the following reference “Clougherty JE. A growing role for gender analysis in air pollution epidemiology. *Environ Health Perspect.* (2010) 118:167–176. doi: 10.1289/ehp.0900994;

Chen L, Gao D, Ma T, Chen M, Li Y, Ma Y, et al. Could greenness modify the effects of physical activity and air pollutants on overweight and obesity among children and adolescents? *Sci Total Environ.* (2022) 832:155117. doi: 10.1016/j.scitotenv.2022.155117” was not cited in the article. The citation has now been inserted in [2 **Data and methods**], [2.3.1.1 *Meaning of variables*], [paragraph 3] and should read:

“Control variables: in addition to the impact of air pollutants on the physical health of college students, individual factors and other environmental influences may also play a significant role.

Therefore, this study draws on existing research to select gender, weight, height, and other factors as control variables for individual differences (1, 2).”

In the published article

“Bernard P, Chevance G, Kingsbury C, Baillot A, Romain AJ, Molinier V, et al. Climate change, physical activity and sport: a systematic review. *Sports Med.* (2021) 51:1041–59. doi: 10.1007/s40279-021-01439-4;

Yu H, Zhang H. Impact of ambient air pollution on physical activity and sedentary behavior in children. *BMC Public Health.* (2023) 23:357. doi: 10.1186/s12889-023-15269-8” was not cited in the article. The citation has now been inserted in [Discussion], [paragraph 9] and should read:

“Air pollution not only has a direct impact on physical fitness but also indirectly affects health by altering lifestyle behaviors, such as reduced physical activity (53), increased sedentary time, and changes in dietary patterns (3, 4). The fluctuations in physical fitness scores and the widening distribution gaps observed in this study may reflect these indirect effects.”

In the published article

“Wang L, Zhang J, Wei J, Zong J, Lu C, Du Y, et al. Association of ambient air pollution exposure and its variability with subjective sleep quality in China: a multilevel modeling analysis. *Environ Pollut.* (2022) 312:120020. doi: 10.1016/j.envpol.2022.120020;

Liu J, Zou P, Ma Y. The effect of air pollution on food preferences. *J Acad Mark Sci.* (2022) 50:410–23. doi: 10.1007/s11747-021-00809-8” was not cited in the article. The citation has now been inserted in [Discussion], [paragraph 9] and should read:

“Furthermore, the impact of air pollution on health is not limited to physical fitness but also involves other aspects such as mental health, sleep quality, and dietary habits (5, 6). Studies have shown that individuals living in high-pollution environments tend to choose unhealthy, high-calorie foods, further impacting overall health (58) (7)]”

The original version of this article has been updated.

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and adolescents? *Sci Total Environ.* (2022) 832:155117. doi: 10.1016/j.scitotenv.2022.155117

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4. Yu H, Zhang H. Impact of ambient air pollution on physical activity and sedentary behavior in children. *BMC Public Health*. (2023) 23:357. doi: 10.1186/s12889-023-15269-8
5. Wang L, Zhang J, Wei J, Zong J, Lu C, Du Y, et al. Association of ambient air pollution exposure and its variability with subjective sleep quality in China: a multilevel modeling analysis. *Environ Pollut*. (2022) 312:120020. doi: 10.1016/j.envpol.2022.120020
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