

Table S1. Sensitivity analyses: hazard ratios for all-cause mortality by an increase of 1 standard deviation in PM₁₀ exposure after a cancer diagnosis.

Sensitivity	HR (95% CI)
Inclusion of patients with cancer who had missing rates for PM ₁₀ data more than 5%	1.78 (1.75–1.81)
Inclusion of patients with cancer who had a short follow-up duration (< 1 years)	1.71 (1.69–1.74)
Exclusion of patients with cancer who survived less than 3 years	2.19 (2.11–2.28)
Exclusion of patients with cancer who survived less than 5 years	2.55 (2.39–2.72)
Exclusion of patients with cancer who survived less than 7 years	2.39 (2.15–2.66)
Cancer cohort consisting of patients who were diagnosed between 2005–2011	3.22 (3.12–3.33)
Cancer cohort consisting of patients who were diagnosed between 2012–2018	2.16 (2.06–2.25)

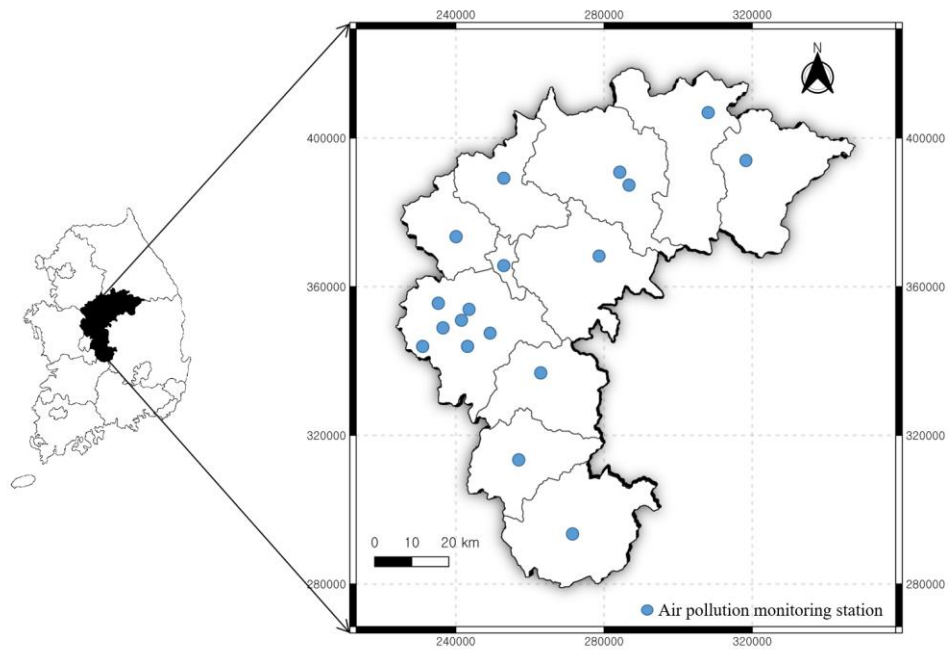


Figure S1. Location of air pollution monitoring station at each district in Chungbuk Province in Korea.