Table S1. Analytical performance and overall Cd, Cu and Zn concentrations in topsoil and wild mushrooms from Leicestershire, UK.

Metal	Matrix	*N*	*N* > LoD	LoD	Censoring	Recovery	Range	Median	95% CI for median	IQR
Units					%	%	mg kg^{-1} dw	mg kg^{-1} dw	mg kg^{-1} dw	mg kg^{-1} dw
Cd	Topsoil	102	96	0.162	5.9	105	0.162–1.88	0.318	0.294–0.373	0.26–0.412
	Wild mushrooms	155	149	0.081	4.0	89.7	0.081–13.4	1.91	1.64–2.13	0.625–3.01
Cu	Topsoil	102	102	1.34	0.0	106	9.58–101	35.4	29.2–38.3	21.9–52.7
	Wild mushrooms	155	155	2.22	0.0	102	2.72–460	80.1	72.4–92.5	38.9–108
Zn	Topsoil	102	102	1.32	0.0	105	48.1–489	119	106–135	89.4–162
	Wild mushrooms	156	156	5.34	0.0	97.5	7.88–1.38 × 10^3	84.9	74.1–95.3	56.7–123

Values are expressed as mg kg^{-1} dry weight. IQR = interquartile range (P25, P75). CI = confidence interval; LoD = limit of detection; Topsoil recoveries correspond to CRM059-50G; wild mushroom recoveries correspond to NIST SRM 1570a. *N* > LoD were derived from *N* and censoring percentage and are included to make detectability explicit.

Table S2. Bradgate Park tissue-specific samples not included in the retained *C. atramentaria* analytical subset.

Park	Species	Sample No	Tissue	Reason not in main species comparison	Cd	Cu	Zn
Units					mg kg^{-1} dw		
Bradgate Park	*Macrolepiota procera*	122	stem	Different species; *n* = 3; stipes only	2.7	11.6	51.4
		123	stem		0.854	14.6	26.8
		124	stem		0.557	203	94.6
	Coprinopsis atramentaria	125	cap	Tissue-separated *C. atramentaria*; not pooled	2.98	366	173
		126	stem		1.64	295	126
		127	cap		1.84	199	148
		128	stem		0.506	165	80.5

Values are expressed as mg kg^{-1} dry weight. These sample-level records are included for traceability only. They were not pooled with the retained Bradgate Park *C. atramentaria* subset because they correspond either to another species represented only by stipes (*M. procera*) or to tissue-separated *C. atramentaria* records.

Table S3. Cd, Cu and Zn concentrations in *Panaeolus foenisecii* from Abbey Park and Braunstone Park, Leicester, UK.

Park	Metal	N	LoD	Range	Median	95% CI for median	IQR
Units			mg kg^{-1} dw	mg kg^{-1} dw	mg kg^{-1} dw	mg kg^{-1} dw	mg kg^{-1} dw
Abbey Park	Cd	11	0.081	0.197–3.53	2.28	1.53–2.76	1.93–2.95
	Cu	11	2.22	19.8–125	38.9	19.1–47.9	31.8–69
	Zn	11	5.34	54.9–144	65.8	45–73.5	59.4–85.4
Braunstone Park	Cd	5	0.081	0.081–13.4	4.81	0.997–25.5	1.48–5.66
	Cu	5	2.22	37.4–129	79.4	48.7–168	57.9–80.4
	Zn	5	5.34	113–162	133	110–157	126–141

Values are expressed as mg kg^{-1} dry weight. IQR = interquartile range (P25, P75). CI = confidence interval; LoD = limit of detection. The small number of observations for Braunstone Park was taken into consideration when interpreting confidence intervals.

Table S4. Screening estimated dietary intake of Cd, Cu and Zn from edible wild mushroom taxa under an illustrative adult consumption scenario. Assumptions: adult body weight = 70 kg; fresh mushroom intake = 100 g week^{-1}; dry matter fraction = 0.10.

Metal	Taxon/ subset	Median concentration	Estimated fresh-weight concentration	Estimated intake	Estimated intake for reference-value comparison *	Reference value	Contribution to reference value
Units		mg kg^{-1} dw	mg kg^{-1} fw	mg week^{-1}	metal-specific; see footnote	as stated	%
Cd	*A. bitorquis*	3.88	0.388	0.0388	0.554	TWI = 2.5 μg kg^{-1} bw week^{-1}	22.2
	M. oreades	0.2	0.02	0.002	0.029		1.1
	M. procera ✝	0.854	0.085	0.0085	0.122		4.9
Cu	*A. bitorquis*	115	11.5	1.15	0.016	Weekly ADI equivalent = 0.49 mg kg^{-1} bw week^{-1}	3.4
	M. oreades	65.8	6.58	0.658	0.009		1.9
	M. procera ✝	14.6	1.46	0.146	0.002		0.4
Zn	*A. bitorquis*	75.4	7.54	0.754	0.754	Adult UL equivalent = 175 mg week^{-1}	0.4
	M. oreades	86.8	8.68	0.868	0.868		0.5
	M. procera ✝	51.4	5.14	0.514	0.514		0.3

Values are screening estimates based on median dry-weight concentrations, an assumed dry matter fraction of 0.10, an adult body weight of 70 kg and an illustrative consumption scenario of 100 g fresh mushrooms per week. * For Cd, estimated intake is expressed as μg kg^{-1} bw week^{-1} and compared with the EFSA TWI. For Cu, estimated intake is expressed as mg kg^{-1} bw week^{-1} and compared with the EFSA weekly ADI equivalent. For Zn, estimated intake is expressed as mg week-1 and compared with the adult weekly UL equivalent. EWI = estimated weekly intake; TWI = tolerable weekly intake; ADI = acceptable daily intake; UL = tolerable upper intake level; dw = dry weight; fw = fresh weight; bw = body weight. ✝ The *M. procera* data correspond to three stem samples from Bradgate Park and are included descriptively only. These calculations are intended as contextual screening estimates and not as a full dietary exposure assessment.