

CORRECTION

View Article Online
View Journal | View Issue



CrossMark
click for updates

Cite this: *Environ. Sci.: Processes Impacts*, 2014, **16**, 2814

Correction: Statistical modeling of crystalline silica exposure by trade in the construction industry using a database compiled from the literature†

Jean-François Sauvé,^a Charles Beaudry,^a Denis Bégin,^a Chantal Dion,^{ab} Michel Gérin^{ac} and Jérôme Lavoué^{*ad}

DOI: 10.1039/c4em90040e

rsc.li/process-impacts

Correction for 'Statistical modeling of crystalline silica exposure by trade in the construction industry using a database compiled from the literature' by Jean-François Sauvé *et al.*, *J. Environ. Monit.*, 2012, **14**, 2512–2520.

It has come to our attention that there was an error in the computation of the averaged predictions in this article. The value of the multiplicative factor associated with the "Workspace: Controls – Interior: With controls" interaction term, as found in ESI Tables S1 and S2,† should be 1/4 rather than 1/2. The authors have re-done the computations and a comparison of the revised results with those presented in Table 6 of the article is shown below. In all but three cases, the revised results were identical to those published. For the three instances where they differed, the changes were mainly attributable to the effect of rounding.

Trade	Geometric mean (mg m ⁻³)		Group exceedance fraction (Θ) by OEL			
	Revised	Published	ACGIH – 0.025 mg m ⁻³		Québec – 0.1 mg m ⁻³	
			Revised	Published	Revised	Published
Drilling rig operator	0.238	0.238	91%	91%	70%	70%
Tunnel construction worker	0.224	0.224	91%	91%	69%	69%
Roofer	0.154	0.154	86%	86%	60%	60%
Cement grinder/concrete finisher	0.134	0.134	85%	85%	57%	57%
Bricklayer/stone mason	0.101	0.100	80%	80%	50%	50%
Skilled labour 2	0.061	0.061	71%	71%	38%	38%
Skilled labour 1	0.059	0.059	70%	70%	38%	37%
Unskilled labour	0.056	0.056	69%	69%	36%	36%
Foreman	0.048	0.048	66%	65%	33%	33%
Heavy equipment operator	0.045	0.045	64%	64%	31%	31%
Other	0.022	0.022	47%	47%	18%	18%
All trades	0.082	0.082	76%	76%	45%	45%

Note: "Published" refers to the data presented in Table 6 of the article.

In addition, the authors have identified errors in the lower bound of the confidence intervals of the predicted geometric mean exposure for the "Drilling rig operator" and "Tunnel construction worker" trades presented in Fig. 1. The point estimates presented for these categories were correct. A comparison of the revised figure – with corrected confidence intervals, along with the revised estimates from the corrected predictions – with the one originally published is presented below.

^aUniversité de Montréal, Department of Environmental and Occupational Health, P.O. Box 6128, Main Station, Montréal, QC, Canada, H3C 3J7. E-mail: jerome.lavoue@umontreal.ca; Fax: +1-514-412-7106; Tel: +1-514-890-8000 #15913

^bInstitut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST), Canada

^cInstitut de recherche en santé publique de l'Université de Montréal (IRSPUM), Canada

^dUniversity of Montreal Hospital Research Centre (CRCHUM), 3875 rue St-Urbain, 3ème étage, suite 316, Montréal, QC, Canada, H2W 1V1

† Electronic supplementary information (ESI) available. See DOI: 10.1039/c4em90040e



Revised Fig. 1:

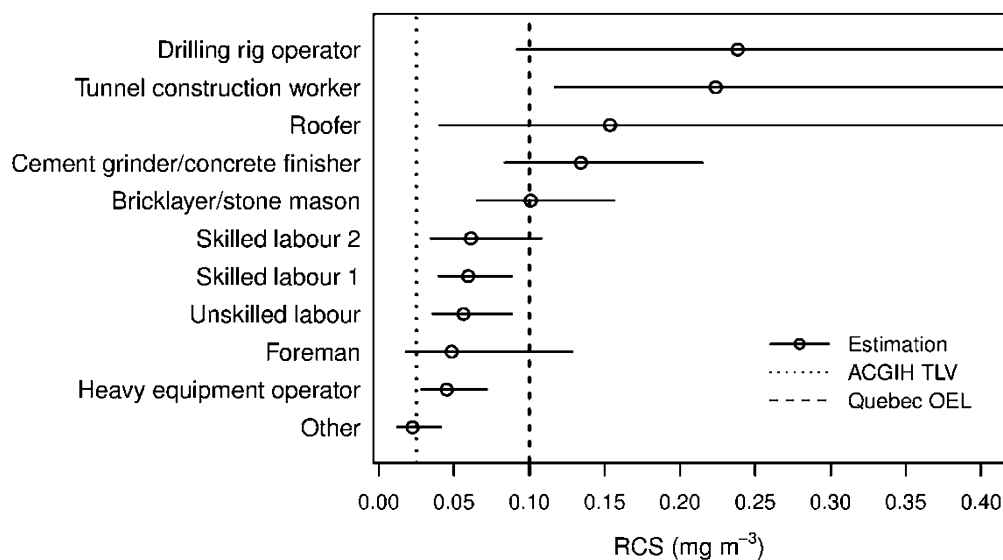
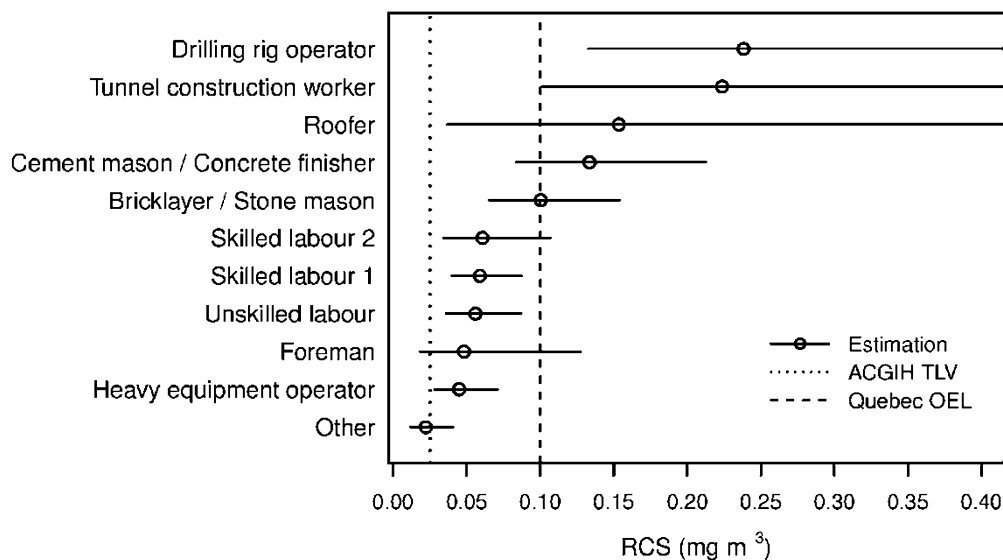


Fig. 1 as published in the article:



The changes stemming from correcting these errors are almost negligible, and do not affect in any way the conclusions of the paper.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

