Lifetime exposure to rubber dusts, fumes and N-Nitrosamines and cancer mortality in a cohort of British rubber workers with 49 years follow-up

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Online Supplement. Results of simulations by cancer and agent
A70 represent results for the main analysis where employment duration is continuous until retirement at age 70, emigration, or death.

D1-10 represent results of simulations of employment durations based on a similar UK cohort

X-axis represents Sub Hazard Ratios (SHR) for each quartile of exposure.

**Exposure quartiles**

Rubber dust (I: <9.50 year mg/m$^3$; II: 9.50-16.68 year mg/m$^3$; III: 16.68-27.03 year mg/m$^3$; IV: >27.03 year mg/m$^3$)

Rubber fumes (I: <2.98 year mg/m$^3$; II: 2.98-5.55 year mg/m$^3$; III: 5.55-9.36 year mg/m$^3$; IV: >9.36 year mg/m$^3$)

NSS (I: <10.03 year μg/m$^3$; II: 10.03-21.38 year μg/m$^3$; III: 21.38-442.93 year μg/m$^3$; IV: >442.93 year μg/m$^3$)

NDMA (I: <3.12 year μg/m$^3$; II: 3.12-5.96 year μg/m$^3$; III: 5.96-9.67 year μg/m$^3$; IV: >9.67 year μg/m$^3$)

NMor (I: <4.69 year μg/m$^3$; II: 4.69-9.77 year μg/m$^3$; III: 9.77-16.40 year μg/m$^3$; IV: >16.40 year μg/m$^3$)
Figure 1. Sensitivity analyses of employment durations and exposure-response associations between bladder cancer mortality and lifetime cumulative exposure to rubber dust

Figure 2. Sensitivity analyses of employment durations and exposure-response associations between bladder cancer mortality and lifetime cumulative exposure to rubber fumes
Figure 3. Sensitivity analyses of employment durations and exposure-response associations between bladder cancer mortality and lifetime cumulative exposure to N-Nitrosamines sum score.

Figure 4. Sensitivity analyses of employment durations and exposure-response associations between bladder cancer mortality and lifetime cumulative exposure to NDMA.
Figure 5. Sensitivity analyses of employment durations and exposure-response associations between bladder cancer mortality and lifetime cumulative exposure to NMor.
Figure 6. Sensitivity analyses of employment durations and exposure-response associations between lung cancer mortality and lifetime cumulative exposure to rubber dust.

Figure 7. Sensitivity analyses of employment durations and exposure-response associations between lung cancer mortality and lifetime cumulative exposure to rubber fumes.
Figure 8. Sensitivity analyses of employment durations and exposure-response associations between lung cancer mortality and lifetime cumulative exposure to N-Nitrosamines sum score

Figure 9. Sensitivity analyses of employment durations and exposure-response associations between lung cancer mortality and lifetime cumulative exposure to NDMA
Figure 10. Sensitivity analyses of employment durations and exposure-response associations between lung cancer mortality and lifetime cumulative exposure to NMor
Figure 11. Sensitivity analyses of employment durations and exposure-response associations between stomach cancer mortality and lifetime cumulative exposure to rubber dust.

Figure 12. Sensitivity analyses of employment durations and exposure-response associations between stomach cancer mortality and lifetime cumulative exposure to rubber fumes.
Figure 13. Sensitivity analyses of employment durations and exposure-response associations between stomach cancer mortality and lifetime cumulative exposure to N-Nitrosamines sum score

Figure 14. Sensitivity analyses of employment durations and exposure-response associations between stomach cancer mortality and lifetime cumulative exposure to NDMA
Figure 15. Sensitivity analyses of employment durations and exposure-response associations between stomach cancer mortality and lifetime cumulative exposure to NMor
Figure 16. Sensitivity analyses of employment durations and exposure-response associations between multiple myeloma mortality and lifetime cumulative exposure to rubber dust.

Figure 17. Sensitivity analyses of employment durations and exposure-response associations between multiple myeloma mortality and lifetime cumulative exposure to rubber fumes.
Figure 18. Sensitivity analyses of employment durations and exposure-response associations between multiple myeloma mortality and lifetime cumulative exposure to N-Nitrosamines sum score

Figure 19. Sensitivity analyses of employment durations and exposure-response associations between multiple myeloma mortality and lifetime cumulative exposure to NDMA
Figure 20. Sensitivity analyses of employment durations and exposure-response associations between multiple myeloma mortality and lifetime cumulative exposure to NMor
Figure 21. Sensitivity analyses of employment durations and exposure-response associations between leukaemia mortality and lifetime cumulative exposure to rubber dust.

Figure 22. Sensitivity analyses of employment durations and exposure-response associations between leukaemia mortality and lifetime cumulative exposure to rubber fumes.
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Figure 27. Sensitivity analyses of employment durations and exposure-response associations between all malignant neoplasms mortality and lifetime cumulative exposure to rubber fumes.
Figure 28. Sensitivity analyses of employment durations and exposure-response associations between all malignant neoplasms mortality and lifetime cumulative exposure to N-Nitrosamines sum score

Figure 29. Sensitivity analyses of employment durations and exposure-response associations between all malignant neoplasms mortality and lifetime cumulative exposure to NDMA
Figure 30. Sensitivity analyses of employment durations and exposure-response associations between all malignant neoplasms mortality and lifetime cumulative exposure to NMor.