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Version: Supplemental Material

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**Article:**

Abar, L, Vieira, AR, Aune, D et al. (6 more authors) (2016) Blood concentrations of carotenoids and retinol and lung cancer risk: an update of the WCRF-AICR systematic review of published prospective studies. *Cancer Medicine*, 5 (8). pp. 2069-2083. ISSN 2045-7634

<https://doi.org/10.1002/cam4.676>

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## "Online Supplemental Material"

**Supplemental Figure 1.** Blood concentration of  $\alpha$ -carotene and  $\beta$ -carotene and lung cancer risk (high vs low analysis). Ito, 2005 (a) is JACC study and Ito, 2005 (b) is Japan, Hokkaido study.

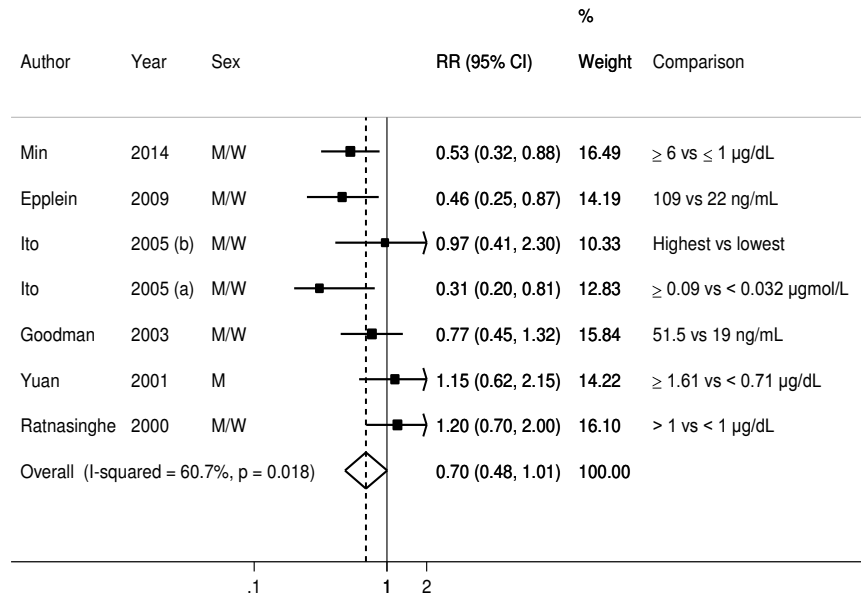
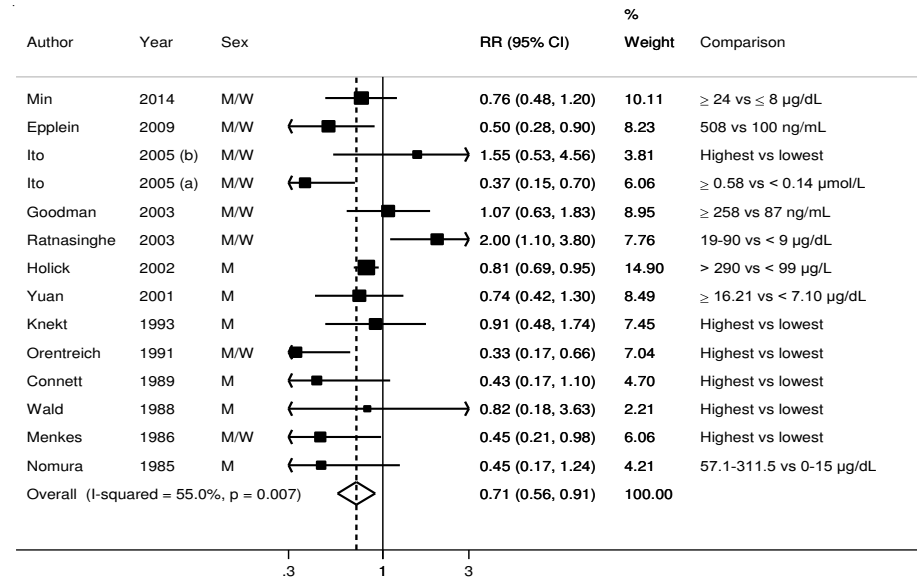
**Supplemental Figure 2.** Blood concentration of  $\beta$ -cryptoxanthin and lycopene and lung cancer risk (high vs low analysis). Ito, 2005 (a) is JACC study and Ito, 2005 (b) is Japan, Hokkaido study.

**Supplemental Figure 3.** Blood concentration of lutein and zeaxanthin and retinol and lung cancer risk (high vs low analysis). Ito, 2005 (a) is JACC study and Ito, 2005 (b) is Japan, Hokkaido study.

**Supplemental Figure 4.** Blood concentration of  $\beta$ - carotene and retinol and lung cancer risk, after exclusion of studies in high risk populations (dose-response analysis). Summary RR calculated by using a random-effects model. Ito, 2005 (a) is JACC study

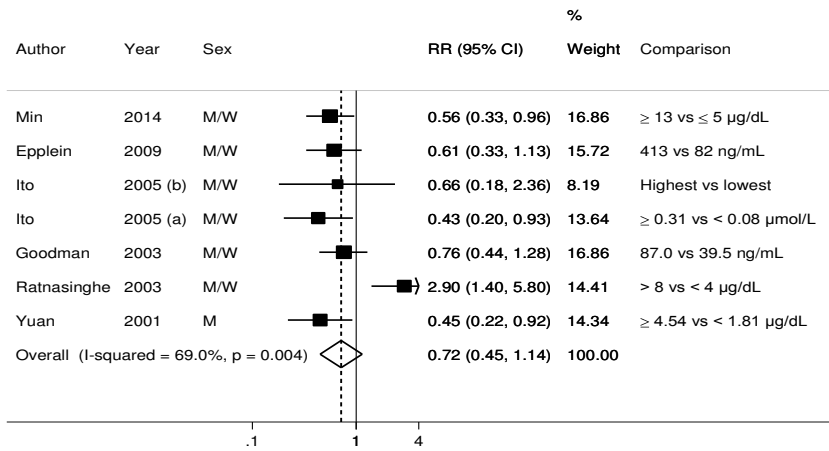
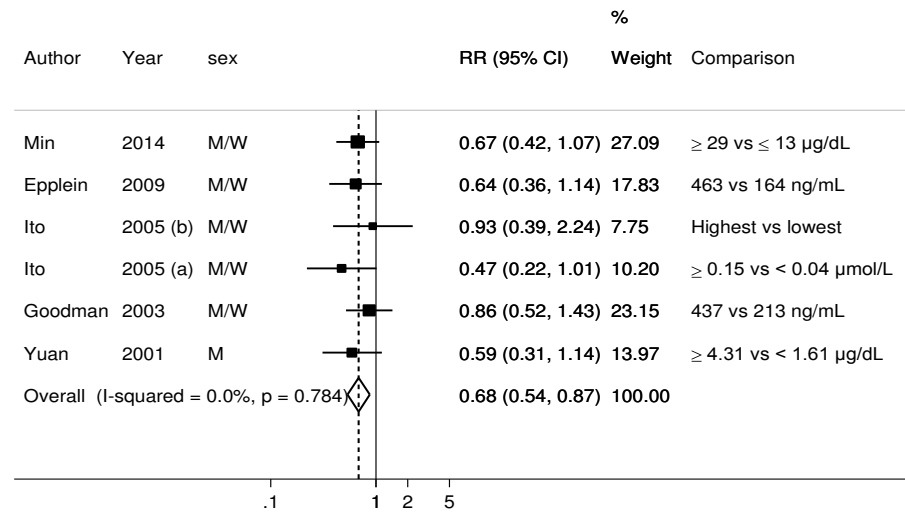
## "Online Supplemental Material"

## Supplemental Figure 1

**A:  $\alpha$ -carotene in blood and lung cancer,  
high vs low**

**B:  $\beta$ -carotene in blood and lung cancer,  
high vs low**


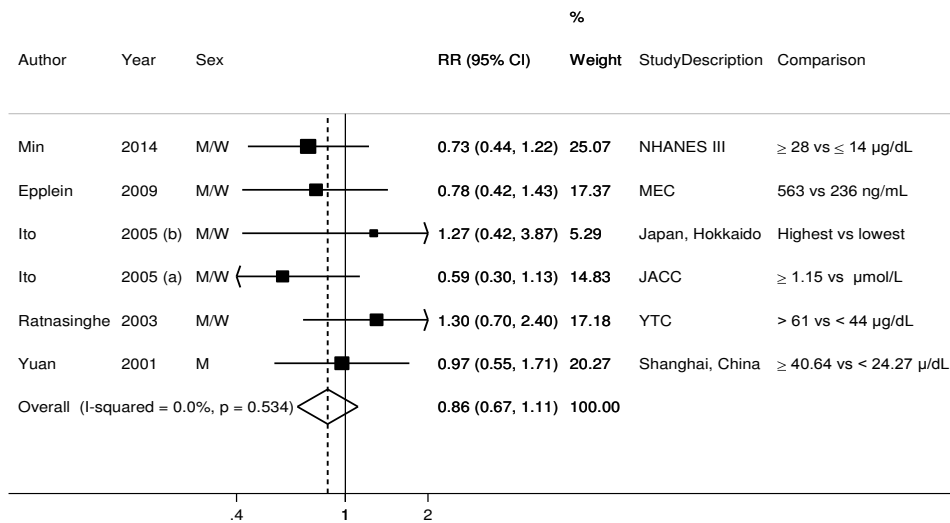
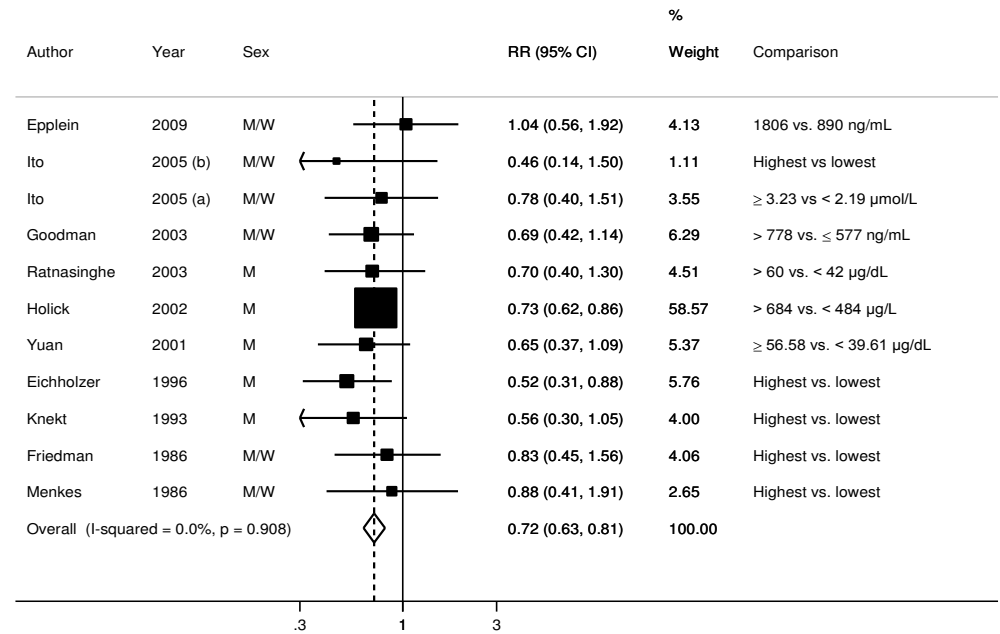
## "Online Supplemental Material"

Supplemental Figure 2

**A:  $\beta$ -cryptoxanthin in blood and lung cancer,  
high vs low**

**B: Lycopene in blood and lung cancer,  
high vs low**


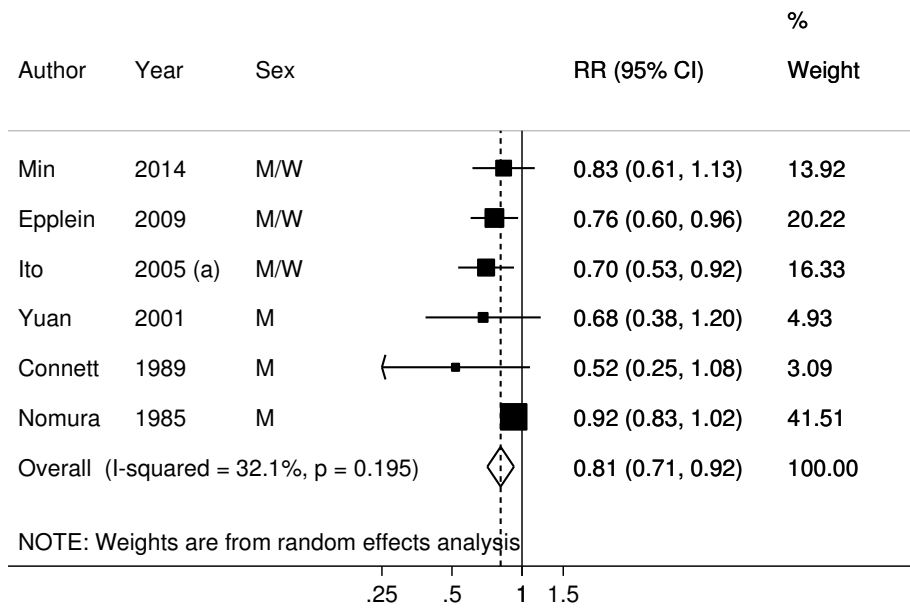
## "Online Supplemental Material"

Supplemental Figure 3

**B: Lutein and zeaxanthin in blood and lung cancer, high vs low**

**B: Retinol in blood and lung cancer, high vs low**


## "Online Supplemental Material"

Supplemental Figure 4

**A:  $\beta$ -carotene in blood and lung cancer,  
20  $\mu\text{g}/100\text{mL}$** 

**A: Retinol in blood and lung cancer,  
70  $\mu\text{g}/100\text{mL}$** 
