Table 2; Chronic Bronchitis studies

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| **Author and date** | **OR (95%CI).**  **PAF for chronic bronchitis; significant (SIG) or not significant (NS)** | **Numbers of cases, non-cases, participants where available** | **Exposure stratified by** |
| Axelsson 2016 | 1.4 (0.8-2.3)  8.6%, SIG a | 84 cases  1172 participants | Self-reported |
| Hansell A 2014 | 1.4 (0.8-2.3)  18.9%, NS b | 59 cases  27 non cases | JEM |
| Darby 2012 | 3.6 (1.9-6.9)  56.8%, SIG c | 70 cases, 55 of these exposed | Self-reported  JEM |
| Mazitova N 2012 | OR 1.0 (0.7-1.4)  0.19%, NS | 170 cases, 1375 participants | Self-reported |
| Holm M 2012 | OR -  10% (2.8% for females, 18% for males) | 866 cases, 15919 participants | Self-reported |
| LeVan TD 2006 | 1.3 (1.0-1.6)  6.0%, SIG | 417 cases  45104 non cases | Self-reported |
| Jaén A 2006 | 2.0 (1.1-3.7)  34.0%, SIG | 69 cases  576 participants | Self-reported |
| Sunyer J 2005 | 1.7 (1.2-2.5)  15.0% males, SIG  1.0 (0.4-2.1)  0.0% females, NS | 2.9% of females, 3.0% of males with CB | Self-reported  JEM |
| de Meer 2004 | OR 2.2 (1.2-4.2).  25.0%, SIG | 72 cases  1906 participants | Self-reported  JEM |
| Lange 2003 | 2.2 (1.7-2.7)  16.0%, SIG | 13.0% in females  18.6% in males | Self-reported |
| Montnemery P  2001 | 1.4 (1.1-1.7)  11.0%, SIG | 8469 participants  4.6% had CB | Self-reported |
| Zock JP  2001 | 1.7 (1.3-2.3)  24% for current smokers, SIG  1.8 (0.8-4.1)  26% ex-smokers, NS  1.3 (0.8-2.3)  12% never smokers, NS | 13,253 participants aged 20-44 years old  2.9% of never smokers, 3.3% of ex-smokers and 8.9% of current smokers had CB | JEM |
| Suadicani P  2001 | 2.2 (1.7-2.2)  4.0%, SIG | 485 cases  2846 non cases | Self-reported |

a. CB; data taken from Tables 1 and 4. 288 with exposure to dust, gases fumes, and 876 not exposed. No information about proportion of cases exposed. However, total number exposed and RR known. Assuming table 4 relates to the same data, OR for CB of exposed v not exposed is adjusted and = 1.38 (0.84-2.26). (1.8 for chronic sputum). PAR calculated using second formula as follows; PAR=(p(RR-1))/(p(RR-1)+1). p=288/(288+876)=0.25 PAR=(0.25\*0.38)/(0.25\*0.38)+1=8.6%.

b. After contacting authors; Pc x ((OR-1)/OR) where Pc is the proportion of cases exposed. OR=1.38 (0.84-2.28). (59/(59+27)) x (0.38/1.38) = 0.68 x 0.28 = 18.9% for CB symptoms (cough AND sputum at least 3 months of year), VGDF exposed v non-exposed.

c. Unpublished data from the Sheffield cohort. 70 cases of CB alone, compared to all others in the dataset. VGDF ever/never. OR adjusted for age, gender and smoking. OR=3.606 (1.898-6.852). 70 cases of CB, 55 of whom exposed. PAR%=2.606/3.606\*(55/70)=56.8%.