

How rapidly does the excess risk of lung cancer decline following quitting smoking? A quantitative review using the negative exponential model

Additional file 2 – Studies

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This file consists of a table describing each of the 85 studies considered in the analysis and giving the data sources used. The 45 studies originally considered in our earlier review (Lee et al., 2012) are shown first (ALDERS to YONG), followed by the 40 more recent studies derived from the additional literature searching (BAYSSO to ZHOU2). To qualify for inclusion in analysis, data have to be available comparing risk, relative to never smokers, in current smokers and in quitters by time quit.

The columns are as follows:

Study ref: The 6 character reference code used to identify the study

Study description: A brief study description incorporating the location, main characteristics of the study population, study design and duration. For cohort studies the date range given is from the start of baseline to the end of follow-up, while for case-control (CC) studies it covers the dates when the data were collected. Further details of the studies considered in our earlier review (Lee et al., 2012) are given in Additional File 2 of that review.

Cases: Reported number of lung cancer cases in the whole study

Principal reference: The main reference for the study

Additional reference: Where data are available, but not wholly or at all from the principal reference, the alternative references are shown.

| <i>Study Ref</i> | <i>Study Description</i> | <i>Cases</i> | <i>Principal Reference(s)</i> | <i>Additional Reference(s)</i> |
|------------------|---|--------------|-------------------------------|--|
| ALDERS | UK CC Study 1977-82 | 1448 | (Alderson et al., 1985) | (Alderson et al., 1986) |
| ANDERS | US Iowa Women's Health cohort study 1986-99 | 625 | (Anderson et al., 1997) | (Ebbert et al., 2003) |
| ARMADA | Spain CC study 1986-90 | 325 | (Armadans-Gil et al., 1999) | |
| BARBON | Italy Trieste CC study 1979-86 | 755 | (Barbone et al., 1997) | |
| BECHER | Germany pilot for BIPS CC study 1985-86 | 194 | (Becher et al., 1991) | |
| BROSS | US Roswell Park Memorial CC study 1960-66 | 974 | (Bross and Gibson, 1968) | |
| CARPEN | US California Genetics CC study 1991-94 | 356 | (London et al., 1995) | (Carpenter et al., 1998) |
| CEDERL | Sweden cohort study 1963-89 | 491 | (Cederlöf et al., 1975) | |
| CHOI | South Korea Cancer Centre CC study 1985-88 | 375 | (Choi et al., 1989) | |
| CHYOU | US Hawaii Oahu Japanese cohort study 1965-90 | 227 | (Chyou et al., 1993) | (Nomura et al., 1991) |
| CPSI | US ACS million person CPSI cohort study 1959-72 | 5138 | (Burns et al., 1997) | (Hammond, 1972) |
| CPSII | US 2nd ACS cancer prevention cohort study 1982-94 | 3229 | (Thun et al., 1997) | (Murrelle et al., 2010) |
| DAMBER | Sweden North CC study 1972-77 | 579 | (Damber and Larsson, 1986) | |
| DEAN3 | UK Cleveland Co CC study 1969-73 | 766 | (Dean et al., 1977) | |
| DESTEF | Uruguay Montevideo CC study 1988-94 | 497 | (de Stefani et al., 1996) | |
| DOLL | UK original Doll and Hill CC study 1948-52 | 1465 | (Doll and Hill, 1952) | |
| DOLL2 | UK British Doctors cohort study 1951-91 | 920 | (Doll et al., 1994) | (Doll and Peto, 1976) |
| DORGAN | US New Jersey CC study 1980-83 | 2026 | (Dorgan et al., 1993) | (Schoenberg and Klotz, 1989; Ziegler et al., 1986) |
| DORN | US Veterans cohort study 1954-80 | 5097 | (McLaughlin et al., 1995) | (Kahn, 1966) |
| GAO | China Shanghai CC study 1984-86 | 1405 | (Gao et al., 1988) | |
| GAO2 | Japan Tokai diet CC study 1988-91 | 282 | (Gao et al., 1993) | |
| GARSHI | US railroad workers diesel CC study 1981-82 | 1081 | (Garshick et al., | |

| <i>Study Ref</i> | <i>Study Description</i> | <i>Cases</i> | <i>Principal Reference(s)</i> | <i>Additional Reference(s)</i> |
|------------------|---|--------------|-------------------------------|--|
| | | | 1987) | |
| GRAHAM | US Roswell Park Memorial CC study 1956-60 | 685 | (Graham and Levin, 1971) | |
| HAMMO2 | US&Canada asbestos workers cohort study 1967-76 | 450 | (Hammond et al., 1979) | |
| HIRAYA | Japan 6 prefecture cohort study 1965-82 | 1917 | (Hirayama, 1990) | |
| JAIN | Canada Ontario CC study 1981-85 | 845 | (Risch et al., 1993) | |
| JOLY | Cuba Havana CC study 1978-80 | 826 | (Joly et al., 1983) | |
| KAISE2 | US California Kaiser cohort study 1979-91 | 318 | (Friedman et al., 1997) | |
| KHUDER | US Philadelphia 15 hospital CC study 1985-87 | 482 | (Khuder et al., 1998) | |
| LUBIN | China Yunnan tin miners CC study 1984-88 | 427 | (Lubin et al., 1992) | |
| LUBIN2 | West Europe CC study 1976-80 | 7804 | (Lubin et al., 1984b) | (Lubin et al., 1984c; Lubin et al., 1984a) |
| MATOS | Argentina Buenos Aires CC study 1994-96 | 200 | (Matos et al., 1998) | |
| PEZZO2 | Argentina Rosario CC study 1992-98 | 367 | (Pezzotto and Poletto, 1999) | |
| PEZZOT | Argentina Rosario CC study 1987-91 | 215 | (Pezzotto et al., 1993) | |
| SIEMIA | Canada Montreal occupational CC study 1979-85 | 857 | (Siemiatycki et al., 1995) | (Rachet et al., 2004) |
| SOBUE | Japan Osaka CC study 1986-88 | 1376 | (Sobue et al., 1994) | |
| SPEIZE | US Nurses' Health cohort study 1976-92 | 593 | (Speizer et al., 1999) | (Kenfield et al., 2008) |
| SUZUK2 | Brazil Rio de Janeiro CC study 1991-92 | 123 | (Suzuki et al., 1994) | |
| SVENSS | Sweden Stockholm County CC study 1983-86 | 210 | (Svensson et al., 1989) | |
| TVERDA | Norway cohort study 1972-88 | 238 | (Tverdal et al., 1993) | |
| WAKAI | Japan Okinawa CC study 1988-91 | 333 | (Wakai et al., 1997) | |
| WANG2 | China Tai Yuan CC study 1980-82 | 103 | (Wang et al., 1985) | |
| WYNDE3 | US New York Memorial CC study 1966-69 | 350 | (Wynder et al., 1970) | |
| WYNDE6 | US 4 city CC study 1969-96 | 4423 | (Harris et al., 1993) | (Higgins and Wynder, 1988) |
| YONG | US NHANES I - NHEFS cohort study 1971-92 | 216 | (Yong et al., 1997) | (Mannino et al., 2003) |
| BAYSSO | France 4 area CC study of radon 1992-1998 | 486 | (Baysson et al., 2004) | |
| BHURGR | Pakistan Karachi CC study | 320 | (Bhurgri et al., 2002) | |

| <i>Study Ref</i> | <i>Study Description</i> | <i>Cases</i> | <i>Principal Reference(s)</i> | <i>Additional Reference(s)</i> |
|------------------|---|--------------|--------------------------------|--------------------------------|
| BRUSKE | Germany WISMUT uranium miner CC study 1991-99 | 505 | (Brüske-Hohlfeld et al., 2006) | |
| CAICOY | Spain Asturias CC study 1993-95 | 197 | (Caicoya and Mirón, 2003) | |
| DESTES3 | Uruguay Montevideo CC study 1988-2000 | 1032 | (de Stefani et al., 2002) | |
| DESTES4 | Uruguay Montevideo CC study 1996-2004 | 876 | (de Stefani et al., 2010) | |
| EPIC | European EPIC nutrition cohort study 1992-2002 | 860 | (Miller et al., 2004) | |
| FIELD | USA Iowa Radon LC Study 1993-96 | 413 | (Field et al., 2000) | |
| FRANCO | Mexico Mexico City CC study 2000-2002 | 385 | (Franco-Marina et al., 2006) | |
| GAJALA | India Chennai & Trivandrum CC study 1993-99 | 778 | (Gajalakshmi et al., 2003) | |
| IARC | European IARC CC 1988-94 | 7609 | (Simonato et al., 2001) | |
| JACOBS | The Seven Countries CHD cohort study 1957 onwards | 428 | (Jacobs, Jr. et al., 1999) | |
| JAMRO1 | Australian ALSWH cohort 1996-2006 | 120 | (Jamrozik et al., 2011) | |
| JAMRO2 | Australia Perth HIMS cohort 1996 - 2006 | 328 | (Jamrozik et al., 2011) | |
| KUBIK2 | Czech Republic Prague CC study 1998-2006 | 1096 | (Kubik et al., 2008) | |
| LEE | Taiwan Kaohsiung CC study 1993-93 | 527 | (Lee et al., 2001) | |
| LEE2 | USA LA County LIG1 CC study 1999-2004 | 611 | (Lee et al., 2008) | |
| LEITZM | USA AARP diet and health cohort study 1995-2003 | 6745 | (Leitzmann et al., 2009) | (Freedman et al., 2008) |
| MAO | Canada NECSS CC study 1994-97 | 3280 | (Mao et al., 2001) | |
| OLSEN | Danish CC/nested CC study of NSAIDs 1993-2005 | 573 | (Olsen et al., 2008) | |
| OSAKI | Japan Tottori retrospective cohort 1995-99 | 119 | (Osaki et al., 2007) | |
| PAPADO | French ICARE multicenter CC study 2001-07 | 648 | (Papadopoulos et al., 2011) | |
| PARK | Korea KATRD CC study 1997-1998 | 1538 | (Park et al., 2010) | |
| PETRAU | Lithuania Kedainiai air poll CC study 1981-1991 | 277 | (Petrauskaitė et al., 2002) | |
| RAMANA | Canada Montreal CC study 1996-2001 | 1207 | (Ramanakumar et al., 2007) | (Pintos et al., 2008) |
| REID | Australian Wittenoom miners nested CC 1979-2002 | 138 | (Reid et al., 2006) | |

| <i>Study Ref</i> | <i>Study Description</i> | <i>Cases</i> | <i>Principal Reference(s)</i> | <i>Additional Reference(s)</i> |
|------------------|---|--------------|-------------------------------|--------------------------------|
| ROTUNN | Italy Lombardy EAGLE CC study 2002-05 | 1975 | (Rotunno et al., 2009) | |
| RUANOR | Spain Santiago de Compostela CC 1999-2000 | 132 | (Ruano-Ravina et al., 2003) | |
| RYLAND | Sweden 26 municipality CC study 1989-94 | 536 | (Rylander and Axelsson, 2006) | |
| SATIA | USA Washington State VITAL cohort 2000-05 | 521 | (Satia et al., 2009) | (Slatore et al., 2008) |
| STELL1 | USA New York and Washington DC CC study 1992-97 | 371 | (Stellman et al., 2001) | |
| STELL2 | Japan Nagoya CC study 1993-98 | 410 | (Stellman et al., 2001) | |
| THOMPS | USA Massachusetts Radon CC study 1990-99 | 200 | (Thompson et al., 2008) | |
| TOMASE | Czech Republic miners Nested CC study 1954-2007 | 850 | (Tomasek, 2011) | |
| TSE | Hong Kong Oncology Centre CC study 2004-06 | 1208 | (Tse et al., 2011) | |
| WAKAI2 | Japan 3 cohort studies pooled 1983-99 | 1282 | (Wakai et al., 2007) | |
| WYNDE9 | US 4 city CC study 1984-98 | 3448 | (Stellman et al., 2003) | |
| YUAN2 | Singapore Chinese health Study 1993-2006 | 1042 | (Koh et al., 2010) | (Koh et al., 2010) |
| ZHANG2 | Canada NBSS trial dietary cohort 1980-93 | 106 | (Zhang et al., 2005) | |
| ZHOU2 | US Boston genetic study 1992 onwards | 3197 | (D'Amelio, Jr. et al., 2010) | (Zhou et al., 2002) |

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