Supplement 4: Summary of study results prevalence in children and adults

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author, year and reference | Definition of current eczema | Proportion of current eczema (%) | 95% CI | Definition of one year prevalence, if applicable\* | Itchy rash during the last 12 months (%) | 95% CI | Eczema ever definition, if applicable\*\* | Eczema ever doctor diagnosed (%) | 95% CI | Eczema ever for more than 6 months (%) | 95% CI |
| Abolfotouh et al. 1996 (324) |  | 1.2 |  |  |  |  |  |  |  |  |  |
| Abuabara et al., 2019 (34)  0-17 | Doctor diagnose and prescription | 12.3 |  |  |  |  |  |  |  |  |  |
| Abuabara et al., 2019 (34)  18-74 | Doctor diagnose and prescription | 5.1 |  |  |  |  |  |  |  |  |  |
| Abuabara et al., 2019 (34)  75-99 | Doctor diagnose and prescription | 8.7 |  |  |  |  |  |  |  |  |  |
| Bissek AC et al. 2012 (332) |  | 4.0 |  |  |  |  |  |  |  |  |  |
| Chiesa Fuxench ZC et al. 2019 (42) |  |  |  |  | 7.3 | 5.9- 8.8 |  |  |  |  |  |
| Dennis et al. 2012 (117) |  |  |  |  | 11.5 |  |  |  |  |  |  |
| Gupta R et al. 2004 (392)  2-15 |  |  |  | Itchy skin last year | 22 |  |  |  |  | 24 |  |
| Gupta R et al. 2004 (392)  16-44 |  |  |  | Itchy skin last year | 27 |  |  |  |  | 16 |  |
| Herd et al. 1996 (251)  <2y |  |  |  | Doctor diagnose and symptoms | 9.8 |  |  |  |  |  |  |
| Herd et al. 1996 (251)  2-11y |  |  |  | Doctor diagnose and symptoms | 8.1 |  |  |  |  |  |  |
| Herd et al. 1996 (251)  12-15y |  |  |  | Doctor diagnose and symptoms | 2.2 |  |  |  |  |  |  |
| Herd et al. 1996 (251)  16-24y |  |  |  | Doctor diagnose and symptoms | 2.1 |  |  |  |  |  |  |
| Herd et al. 1996 (251)  25-40y |  |  |  | Doctor diagnose and symptoms | 2.0 |  |  |  |  |  |  |
| Herd et al. 1996 (251)  >40y |  |  |  | Doctor diagnose and symptoms | 0.2 |  |  |  |  |  |  |
| Hwang et al. 2010 (255) |  |  |  |  |  |  | Doctor diagnose |  |  | 6.7 |  |
| Kay J et al. (276) 1994 |  |  |  |  | 11.5 |  | Doctor diagnose |  |  | 20.2 |  |
| Kendirli GS et al. 1998 (351) |  | 5 |  |  |  |  |  |  |  |  |  |
| Kim CW et al. (78) | Doctor diagnose | 9.5 |  |  |  |  |  |  |  |  |  |
| Kim JT et al. 2018 (268) |  |  |  |  |  |  | Doctor diagnose | 24.0 |  |  |  |
| Liebhart J et al. 2014 (279)  <18 |  | 4.7 |  |  |  |  |  |  |  |  |  |
| Liebhart J et al. 2014 (279)  18+ |  | 1.6 |  |  |  |  |  |  |  |  |  |
| Okada Y et al. 2016 (295) |  | 4.3 |  |  |  |  |  |  |  | 9.9 |  |
| Quercia O et al. 2012 (360) |  | 3.1 |  |  |  |  |  |  |  |  |  |
| Rönmark et al. 2012 (112) | Symptoms | 11.5 |  |  |  |  |  |  |  |  |  |
| Varasteh AR et al. 2009 (321) |  | 6.6 |  |  |  |  |  |  |  |  |  |
| Vichyanond P et al. 2002 (106) |  |  |  | Rash at typical sites of atopic dermatitis, within the past 12 months | 12.6 |  | `Have you ever had eczema?' | 31.3 |  |  |  |
| Wang et al.. 2017 | Doctor diagnose and symptoms | 7.8 |  |  |  |  |  |  |  |  |  |
| Williams HC et al. 1998 (84) | Doctor diagnose and symptoms | 15.3 |  |  |  |  | 8.6 |  |  |  |  |
| Wolkewitz M et al. 2007 (375) |  |  |  |  |  |  |  | 4.3 |  |  |  |
| Wootton CI et al. 2018 (24) | Doctor diagnose | 22 |  |  |  |  |  |  |  |  |  |
| Yemaneberhan H et al. 2004 (26) |  |  |  |  | 0.7 |  | Have you ever had an itchy skin rash  affecting the skin creases (of arms and legs)? | Urban 1.2, Rural 0.3 |  |  |  |
| Ziyab 2010 (98) 1-2y, 4y 10-18y |  |  |  | “ever eczema” plus an “itchy rash during the previous 12 months” | 1.7 2.5 3.3 |  |  |  |  |  |  |

y = years

nr = not reported

\*If other than “itchy rash during the last 12 months”

\*\* if other than “eczema ever, doctor diagnosed”

† The United Kingdom Working Party’s diagnostic criteria