**Supplement 5:** Summary of study results prevalence in adults

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author, year and reference | Definition of current eczema | Proportion of current eczema(%) | 95% CI | Definition of one year prevalence, if applicable\* | Proportion with itchy rash during the last 12 months(%) | 95% CI | Eczema ever definition, if applicable\* | Proportion with eczema ever doctor diagnosed(%) | 95% CI | Eczema ever for more than 6 months(%) | 95% CI |
| Abolfotouh et al. 1996 (324) |  | 1.2 |  |  |  |  |  |  |  |  |  |
| Barbarot S et al. 2018 (210)  |  |  |  | Doctor diagnose and symptoms | 4.9 |  |  |  |  |  |  |
| Chiesa Fuxench ZC et al. 2019 (42) |  | 7.3 | 5.9-8.8 |  |  |  |  |  |  |  |  |
| Chiesa Fuxench ZC et al. 2019 (42) |  |  |  |  | 7.3 | 5.9- 8.8 |  |  |  |  |  |
| Dalgård et al. 2004 (232) | Symptoms within the last week. | 6.2 |  |  |  |  |  |  |  |  |  |
| Dennis et al. 2012 (117) |  |  |  |  | 11.45 |  |  |  |  |  |  |
| Hua et al. 2018 (253) |  |  |  |  |  |  |  |  |  | 7.2 | 6.9-7.6 |
| Kendirli GS et al. 1998 (351) |  | 5 |  |  |  |  |  |  |  |  |  |
| Kim et al. 2010 (109) | Symptoms, Doctor diagnose | 7.1, 2.6 |  |  |  |  |  |  |  |  |  |
| Kim CW et al. 2012 (267) | Doctor diagnose | 9.5 |  |  |  |  |  |  |  |  |  |
| Kurt E et al. 2009 (354) |  |  |  |  |  |  |  |  |  |  |  |
| Kwon IH et al. (30) |  | 1.1-1.4 |  |  |  |  |  |  |  |  |  |
| Latvala et al. 2005 (32) |  |  |  | Doctor diagnose | 1.2 |  |  |  |  |  |  |
| Montnemery P et al. 2003 (33) |  |  |  |  |  |  | Have you now or have you had allergic eczema | 14.6 |  |  |  |
| Mortz et al. 2015 (1) | Symptoms, Doctor diagnose | 9.7, 6.2 |  |  | 17.1 |  |  | 34.1 |  |  |  |
| Muto et al. 2003 (110) |  | 2.9 |  |  | 3.0 |  |  |  |  |  |  |
| Okada Y et al. 2016 (295) |  | 4.3 |  |  |  |  |  |  |  | 9.9 |  |
| Pesce G et al. 2014 (108) | Doctor diagnose | 8.1 |  |  |  |  |  |  |  |  |  |
| Pesce G et al. 2015 (7) |  | 8.1 | 7.6-8.7 |  |  |  |  |  |  |  |  |
| Shreberk-Hassidim R et al. 2017 (41) |  | 0.64% in boys and 0.9% in girls. |  |  |  |  |  |  |  |  |  |
| Smirnova et al. 2019 (254) |  |  |  |  |  |  | Doctor diagnose  |  |  | 0.7 |  |
| Talay F et al. 2014 (364) |  | 9.6 |  |  |  |  |  |  |  |  |  |
| Theodosiou et al. (8) |  |  |  |  |  |  | “Do you have eczema” |  |  | 14 | 13.5-14.3 |
| Varasteh AR et al. 2009 (321) |  | 6.6 |  |  |  |  |  |  |  |  |  |
| Wang H et al. 2006 (31) |  |  |  | 12-months prevalence of flexural atopic eczema symptoms | 1.3; 20002.2; 2002 | 1.3-2.1; 20000.9-1.7; 2002 |  | 18.3; 200017.6; 2002  | 17.1-19.5; 200016.3-18.9; 2002 | Lifetime prevalence of flexural atopic eczema symptoms1.7; 20003.0; 2002 | 2.4-3.6; 20001.7-2.7; 2002 |
| Werfel T et al. 2018 (374) |  |  |  | AD prevalence | 2.23  |  |  |  |  |  |  |
| Worm et al. 2006 (111) | Doctor diagnose | 1.6 |  |  | 8.4 |  |  |  |  |  |  |
| Yamamoto-Hanada K et al. 2017 (101) |  |  |  |  |  |  | doctor diagnoses | Mothers: 15.7 Fathers: 11.2  |  |  |  |
| Zietze HA et al. 2018 (373) |  | 1.6-1.9  |  |  |  |  |  |  |  |  |  |
| Ziyab A H et al. 2017 (28) | nr | 9.2  | 7.6–11.0 |  | 22.7  | 20.2–25.3 |  | 20.2  | 17.9 –22.7 | 17.7  | 15.5–20.1 |

y = years

nr = not reported

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

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