SUPPLEMENTARY MATERIAL

# The global epidemiology of atopic dermatitis: a comprehensive systematic analysis and modelling study

Jingru Tian, M.D.[1,2,3#], Dingyao Zhang, B.S.[4,5#], Yi Yang, M.D.[6#], Yaqing Huang, B.S.[7], Lu Wang, M.D.[8], Xu Yao, M.D., Ph.D.[1], and Qianjin Lu, M.D., Ph.D.[1,2,3*]

[1]Institute of Dermatology, Chinese Academy of Medical Sciences and Peking Union Medical College, Nanjing, China

[2]Key Laboratory of Basic and Translational Research on Immune-Mediated Skin Diseases, Chinese Academy of Medical Sciences, Nanjing, China

[3]Jiangsu Key Laboratory of Molecular Biology for Skin Diseases and STIs, Nanjing, China

[4]Graduate Program in Biological and Biomedical Sciences, Yale University, New Haven, USA

[5]Program in Computational Biology and Bioinformatics, Yale University, New Haven, USA

[6]Department of Nuclear Medicine, Xiangya Hospital, Central South University, Changsha, China

[7]Department of Pathology, Yale University, New Haven, CT, 06520, USA

[8]Department of Dermatology, Hunan Key Laboratory of Medical Epigenomics, the Second Xiangya Hospital, Central South University, Changsha, China

# These authors contribute equally to the work.

* **Correspondence authors**:

Qianjin Lu, 12 Jiangwangmiao Street, Xuanwu, Nanjing, Jiangsu, China 210042.

Telephone: 025-85478999; Fax: 025-85414477;

Email: qianlu5860@pumcderm.cams.cn

# Appendices index

**Definitions and analytic framework**

We performed a systematic review and meta-analysis of the incidence and prevalence of atopic dermatitis (AD). Incidence data were summarised descriptively, whereas using prevalence data we generated global, regional and country-specific estimates of the prevalence of the disease for 2022.

The study was carried out according to the following main steps:

Systematic review of the incidence and prevalence of AD;

Descriptive summary of incidence data;

Development of a hierarchical model to estimate the global, regional and country-specific prevalence of AD.

**Appendix 1 Detailed methods**

**a. Search strategy**

Two investigators (JR.T and Y.Y) systematically searched four electronic (PubMed, EMBASE, Web of Science, and China National Knowledge Infrastructure) from January 1, 1982 to December 25, 2022, appraised studies on eligibility, and extracted data independently. Data extracted from each study included citation data (title of the study, authors, publication year); study period; study population (country, ethnicity, age group, gender); study methods (diagnostic method (dermatologists, physician or self-reported); outcome measure (incidence and/or prevalence); type of prevalence (point, period or life-time); and findings (number of people with AD, values of the prevalence and/or incidence reported and their 95% uncertainty intervals). Discrepancies were discussed and agreed by consensus.

The MeSH and keyword search terms associated with AD were used in each database. In order not to miss out on potentially useful articles, references cited in relevant reviews were also searched manually.

**b. Study selection**

We evaluated published articles at the title or abstract level, with divergences resolved after consensus by two independent investigators. If potentially relevant, we evaluated them as complete reports according to prespecified selection criteria.

Studies from any country in the world and/or in any language were included if they met the inclusion criteria. No restriction on the type of population regarding age, gender, and severity of AD or regarding type of diagnosis (self-reported, physician diagnosis or dermatologist diagnosis) was applied. We excluded studies which are: 1) non-human studies; 2) not cross-sectional surveys or cohorts of representative (general) populations of a country or area of a country; 3) were not carried out on the general population (i.e. people were identified from specific populations such as dermatology clinics, or specific subgroups of the population); 4) focused only on comorbidities of AD; 5) only focus on local rather than systemic lesions (i.e. hand eczema or hand rash); 6) no clear definition of AD or eczema, or the rash was described only by rash, pruritus. In addition, published articles which are: 1) without full text (i.e. abstracts and conference proceedings) or not reporting original studies (i.e. narrative reviews, meta-analyses, editorials, commentaries, protocols, guidelines, or perspectives); or 2) duplicate reports were also excluded. The search process of literature from published articles are shown below.

**c. Quality Assessment**

A formal assessment of the quality of the included studies was performed independently by two investigators (JR.T and L.W) using the Appraisal tool of Cross-Sectional Studies (AXIS tool). The AXIS tool is a 20-item quality assessment tool designed to assist researchers to critically appraise studies, specifically in the process of conducting systemic reviews. The 20-items cover the following domains: identification of research aims, appropriateness of study design, use of valid measures and statistical analyses and consideration of bias. In the current systematic review, studies were classified as having high, medium, or low risk of bias or unclear according to the overall quality of the methods used and reporting of results in the study. The risk of bias assessment for individual studies is included in Table S6.

**Appendix 2 Statistical methods for prevalence calculation**

The prevalence of AD in different region levels was fitted by a Bayesian hierarchical linear mixed model. In hierarchical model, the prevalence of AD in one region were estimated based on study data both from the same region and from other regions.

The model applied binomial family, and log-transformation was used to transform prevalence to a linear response variable. To divide countries into several hierarchies, we map all countries to regions/super-regions by the Global Burden of Disease (GBD) classification. This classification arranged 189 countries into 21 regions which nested in 7 super-regions hierarchically (Table S7).

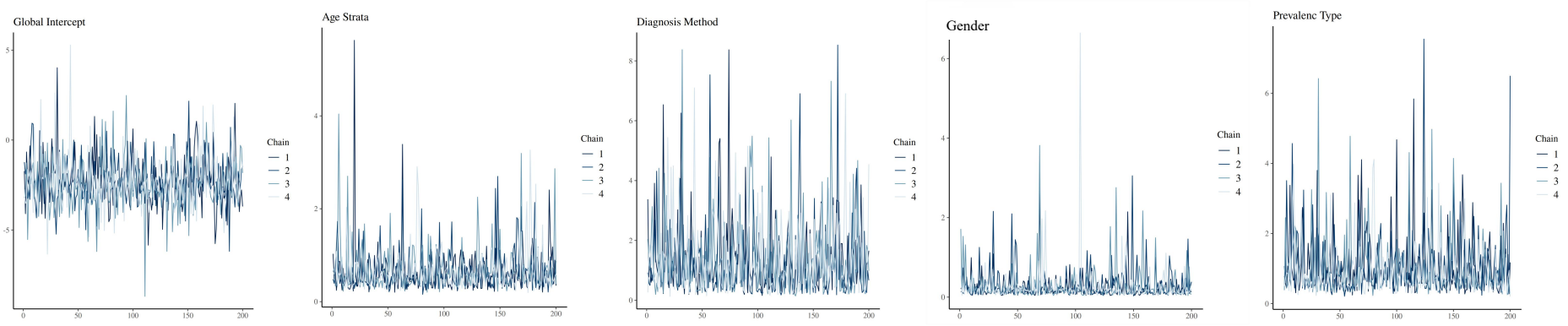
The statistical was implemented by brms package in R (version 4.0.5). This package is based on Stan and will estimate posterior distribution by Hamiltonian Markov Chain Monte Carlo method. Four/five chains were used, and the warmup number and iteration number are both 4000. Besides region, we have set another three predictor variables with fixed effects. The three fixed variables are age strata, type of prevalence, and reporting method. Additionally, the model used a student_t(3, 0, 2.5) prior for the intercept. We reported the prevalence estimate with 95% uncertainty intervals. United Nation population structure provide the size of population in different age strata, it was used to estimate the AD population in different countries/regions/super-regions. Finally, we also assessed the models in total, the fit of each model was assessed by effective sample size, autocorrelation, and trace plots. Please contact Dingyao Zhang for the code of model estimation.

For prevalence model:

```
model <- brm(count | trials(allcount) ~ 1 + (1 | superregion/region/country) + (1 | diagnosis) +  (1 | typeofrate) + (1 | ages) + (1 | gender), data = datause, family = binomial, thin = 10,  chains = 4, iter = 4000, cores = 10, control = list(adapt_delta = 0.995, max_treedepth=20))
```

**Appendix 3 Trace plots for covariates in the Bayesian multilevel model**

**Figure S1. Trace plots for covariates in the Bayesian multilevel model showing 1000 posterior draws total across 5 parallel chains.**




Note: Global intercept is the category of regions and countries; age strata is the category for age strata for the overall population, infants, children, and adults; diagnosis method is the variable type of diagnostic method (where 1 is the self-reported diagnosis); prevalence type is the variable type of prevalence measure (where 1 is the lifetime prevalence of AD).

## Appendix 4 Search strategies

### Table S1. The search strategy in PubMed (Medline)

| # | Terms | Quotes |
|---|---|---|
| **4** | #1 AND #2 NOT #3 | **13.684** |
| **3** | animals [mh] NOT humans [mh] | **4.946.284** |
| **2** | ((incidence or incident) OR (exp Incidence/) OR (incidence stud*) OR (cohort stud*) OR (exp Cohort Studies/) OR (exp Follow-Up Studies/) OR (follow-up stud*) OR (prospective stud*) OR (exp Prospective Studies/) OR (longitudinal stud*) OR (exp Longitudinal Studies/) OR ((epidemiol* adj stud*)) OR (exp Epidemiologic Studies/) OR (exp Epidemiology/) OR (exp Prevalence/) OR (prevalence stud*) OR (exp Cross-Sectional Studies/) OR (cross-sectional stud*)) | **5.829.064** |
| **1** | (("Dermatitis, Atopic"[MeSH Terms]) OR (Atopic dermatitis) OR (eczema, atopic) OR (eczema) OR (atopic eczema) OR (atopic dermatitis) OR (infantile eczema) OR (childhood eczema) OR (neurodermatitis) OR (besniers prurigo)) | **49.096** |

### Table S2. The search strategy in Embase

| # | Terms | Quotes |
|---|---|---|
| **3** | #1 AND #2 AND [humans]/lim | **20.644** |
| **2** | 'Incidence'/exp OR 'Cohort Studies'/exp OR 'incidence or incident':ti,ab,kw OR 'incidence stud*':ti,ab,kw OR 'cohort stud*':ti,ab,kw OR 'Follow-Up Studies '/exp OR 'follow-up stud*' OR 'prospective stud*' OR 'Prospective Studies'/exp OR 'longitudinal stud*' OR 'Longitudinal Studies'/exp OR 'epidemiol* adj stud*' OR 'Epidemiologic Studies'/exp OR 'Epidemiology'/exp OR 'prevalence or prevalen' OR 'Prevalence'/exp OR 'prevalence stud*' OR 'Cross-Sectional Studies'/exp OR 'cross-sectional stud*' | **6.242.699** |
| **1** | 'explode dermatitis, atopic/' OR 'dermatitis, atopic' OR 'eczema, atopic' OR 'eczema' OR 'atopic eczema' OR 'atopic dermatitis' OR 'infantile eczema' OR 'childhood eczema' OR 'neurodermatitis' OR 'besniers prurigo' | **94.570** |

### Table S3. Web of Science search

| # | Terms | Quotes |
|---|---|---|
| **1** | TS=(incidence OR incident) | **1.093.458** |
| **2** | TS=(incidence study or incidence studies) | **509.938** |
| **3** | TS=(cohort study or cohort studies) | **649.537** |
| **4** | TS=(follow-up study or follow-up studies or follow up study or follow up studies) | **943.060** |
| **5** | TS=(prospective study or prospective studies) | **589.887** |
| **6** | TS=(longitudinal study or longitudinal studies) | **332.459** |
| **7** | TS=(epidemiolo* study or epidemiolo* studies) | **405.942** |
| **8** | TS=(epidemiology) | **412.765** |
| **9** | TS=(prevalence OR prevalent) | **1.242.564** |
| **10** | TS=(prevalence study or prevalence studies) | **709.180** |
| **11** | TS=(cross-sectional study OR cross-sectional studies OR cross sectional study OR cross sectional studies) | **421.280** |
| **12** | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 | **4.377.055** |
| **13** | TS=(dermatitis, atopic) | **39.895** |

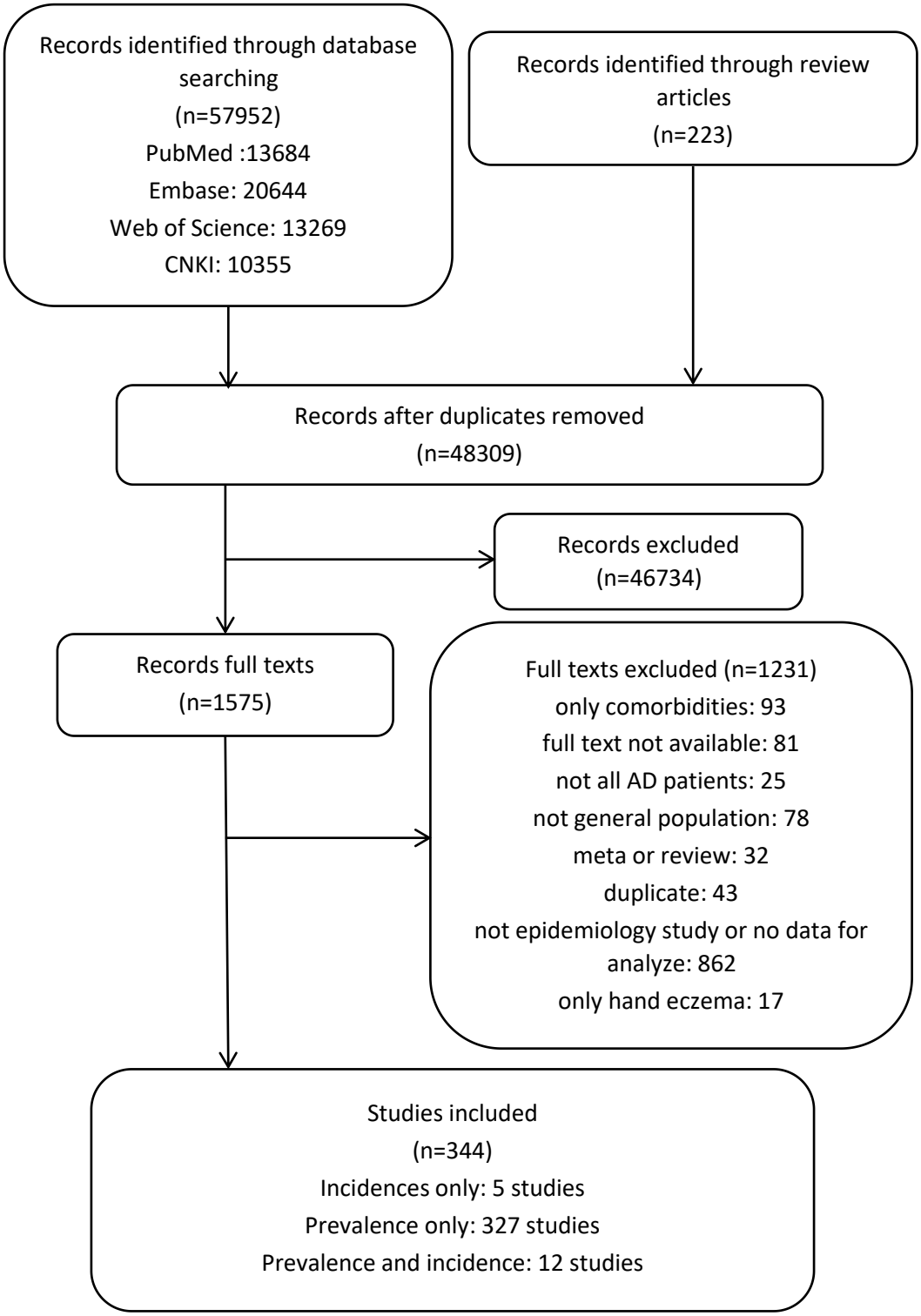
| | | |
|---|---|---|
| **14** | TS=(eczema, atopic) | **11.192** |
| **15** | TS=(eczema) | **21.257** |
| **16** | TS=(atopic eczema) | **11.192** |
| **17** | TS=(atopic dermatitis) | **39.895** |
| **18** | TS=(infantile eczema) | **378** |
| **19** | TS=(childhood eczema) | **3.588** |
| **20** | TS=(neurodermatitis) | **509** |
| **21** | TS=(besniers prurigo) | **17** |
| **22** | #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 | **53.311** |
| **24** | #23 and #12 | **13.269** |

**Table S4. The search strategy in China National Knowledge Infrastructure (CNKI)**

| # | Terms | Quotes |
|---|---|---|
| **1** | Incidence OR  OR prevalence | **4.194.908** |
| **2** | Atopic dermatitis OR eczema | **80.788** |
| **3** | #1 AND #2 | **10.355** |

**Appendix 5 Literature search and selection**

**Figure S2. Literature search and selection from published articles**



## Appendix 6 Quality assessment of studies using the AXIS tool

## Table S5. The Appraisal tool of Cross-Sectional Studies (AXIS tool)

| | Question | Yes | No | Don't know/ Comment |
|---|---|---|---|---|
| ***Introduction*** | | | | |
| 1 | Were the aims/objectives of the study clear? | | | |
| ***Methods*** | | | | |
| 2 | Was the study design appropriate for the stated aim(s)? | | | |
| 3 | Was the sample size justified? | | | |
| 4 | Was the target/reference population clearly defined? (Is it clear who the research was about?) | | | |
| 5 | Was the sample frame taken from an appropriate population base so that it closely represented the target/reference population under investigation? | | | |
| 6 | Was the selection process likely to select subjects/participants that were representative of the target/reference population under investigation? | | | |
| 7 | Were measures undertaken to address and categorise non-responders? | | | |
| 8 | Were the risk factor and outcome variables measured appropriate to the aims of the study? | | | |
| 9 | Were the risk factor and outcome variables measured correctly using instruments/measurements that had been trialled, piloted or published previously? | | | |
| 10 | Is it clear what was used to determined statistical significance and/or precision estimates? (e.g. p-values, confidence intervals) | | | |
| 11 | Were the methods (including statistical methods) sufficiently described to enable them to be repeated? | | | |
| ***Results*** | | | | |
| 12 | Were the basic data adequately described? | | | |
| 13 | Does the response rate raise concerns about non-response bias? | | | |
| 14 | If appropriate, was information about non-responders described? | | | |
| 15 | Were the results internally consistent? | | | |
| 16 | Were the results presented for all the analyses described in the methods? | | | |
| ***Discussion*** | | | | |
| 17 | Were the authors' discussions and conclusions justified by the results? | | | |
| 18 | Were the limitations of the study discussed? | | | |
| ***Other*** | | | | |
| 19 | Were there any funding sources or conflicts of interest that may affect the authors' interpretation of the results? | | | |
| 20 | Was ethical approval or consent of participants attained? | | | |

**Table S6. Quality assessment of studies using the AXIS tool.**

| Study | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 | Q18 | Q19 | Q20 | Overall risk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Abdel-Hafez et al., 2003** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Unclear | No | Yes | Yes | Yes | Yes | No | Yes | High |
| **Abdualrasool et al., 2018** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | Yes | No | Yes | High |
| **Aberg et al., 1989** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | Unclear | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Aberle et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Unclear | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Abolfotouh et al., 1996** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Unclear | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Abuabara et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Ahmadiafshar et al., 2020** | Yes | Yes | No | Yes | Yes | No | No | Yes | Yes | Yes | No | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | High |
| **Ahmed et al., 2019** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Unclear | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Ahn et al., 2011** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Akcay, A.2014** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Alqahtani et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Al-Riyami, B. M.2003** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Al-Saeed et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Al-Sindi et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | Unclear | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Al-Sahab et al., 2008** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | No | No | Yes | Medium |
| **Amarasekera et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Unclear | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Amouri et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Unclear | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Andersson et al., 2023** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Unclear | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Anthracopoulos et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Apfelbacher et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Arnedo-Pena et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Arrais et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Arrais et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Augustin et al., 2015** | Yes | Yes | Yes | Yes | Yes | N/A | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Austin et al., 1999** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Unclear | No | Yes | Yes | Yes | Yes | No | Unclear | High |
| **Quah et al., 1997** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Baççıoğlu et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Baek et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Bakke et al., 1990** | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | No | No | Yes | Medium |
| **Ballardini et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Barbarot et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Barnish et al., 2015** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Bayram et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | No | No | Yes | High |
| **Bazzazi et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Beasley et al., 1998** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Behbehani et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Belyhun et al., 2010** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Benn et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Berth-Jones et al., 1997** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | No | No | No | High |
| **Bingefors et al., 2013** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | Yes | No | Yes | High |
| **Bissek et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Bleiker et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | Unclear | Unclear | Yes | No | No | Unclear | High |
| **Böhme et al., 2002** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Bolat et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Brescianini et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Broberg et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Bröms et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | Unclear | Yes | Yes | Yes | Yes | No | Unclear | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Burgess et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Buser et al., 1993** | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | Unclear | Unclear | Low |
| **Cai et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cantarutti et al., 2015** | Yes | Yes | No | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | N/A | Low |
| **Carvalho et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Castro et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Chan et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Chen et al., 2008** | Yes | Yes | No | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | Yes | No | N/A | Low |
| **Cheok et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Chereches-Panta et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Chiesa Fuxench et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Chinratanapisit et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Cho et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Choi et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Choi et al.,2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Christiansen et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Chu et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Cibella et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Civelek et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Yes | Low |
| **Cooper et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **de Korte-de Boer et al., 2015** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | Unclear | Medium |
| **de Lusignan et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Dei-Cas et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Dell et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Demir et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Deng et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Dennis et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Yes | Low |
| **Dennis et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Dirven-Meijer et al., 2008** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Dogra et al., 2003** | Yes | Yes | No | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Doğruel et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |

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| **Domuz et al., 2017** | Yes | Yes | No | Yes | Yes | No | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Dotterud et al., 1994** | Yes | Yes | No | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | High |
| **Dotterud et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Dotterud et al., 2001** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Draaisma et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Droma et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Duggan et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | Yes | Medium |
| **El-Khateeb et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | Unclear | Medium |
| **Engebretsen et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | Yes | Medium |
| **Ergin et al., 2008** | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Falade et al., 2004** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Farajzadeh et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Farrokhi et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Fedortsiv et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | No | No | Yes | High |
| **Ferie et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | Yes | Medium |
| **Finnbogadottir et al., 2012** | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | High |
| **Foley et al., 2001** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Foliaki et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Forsey et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Fukiwake et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **García-Díez et al., 2009** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Garrido et al., 2010** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Gerada et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | No | Unclear | Yes | No | No | Unclear | High |
| **Ghaffari et al., 2012** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | No | Yes | High |
| **Gilaberte et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Girolomoni et al., 2003** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Goh et al., 1996** | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | Unc | Unclear | Medium |

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| **Goh et al., 2018** | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | Yes | High |
| **Golding et al.,1987** | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | Unc lear | Unclear | Medium |
| **Govaere et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Graif et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | No | Yes | Medium |
| **Grills et al., 2012** | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Unclear | No | No | Yes | Yes | Yes | No | Yes | Medium |
| **Grize et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Gu et al., 1999** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | No | Yes | No | N/A | Yes | Yes | Yes | No | No | Yes | Medium |
| **Gu et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | No | Yes | No | N/A | Yes | Yes | Yes | No | No | Yes | Medium |
| **Gu et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | No | Yes | No | N/A | Yes | Yes | Yes | No | No | Yes | Medium |
| **Guiote-Domínguez et al., 2008** | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Guo et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Ha et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Halkjaer et al., 2006** | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Hanifin et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Unclear | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Hansen et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Harangi et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Harfi et al., 2010** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Harrop et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Heinrich et al., 2002** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Henriksen et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Herd et al., 1996** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Hill et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Ho et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Hogewoning et al., 2012** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Hong et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |

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| **Hua et al., 2018** | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes | No | No | Unclear | Yes | Yes | No | No | Unclear | High |
| **Hugg et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Hwang et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Ibanez et al., 2009** | Yes | Yes | Yes | No | Unclear | Unclear | No | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | No | No | Unclear | High |
| **Inanir et al., 2002** | Yes | Yes | Yes | Yes | Unclear | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | No | No | Yes | Medium |
| **Indinnimeo et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Janahi et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Jedrychowski et al., 1998** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Johansson et al., 2022** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Kalmarzi et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Kalyoncu et al., 1994** | Yes | Yes | Yes | No | Unclear | Unclear | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | High |
| **Kalyoncu et al., 1999** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kao et al., 2005** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Karaman et al., 2006** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Kausel et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kawada et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kay et al., 1994** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | Unclear | Unclear | Low |
| **Kim et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kim et al., 2010** | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | Unclear | Unclear | Medium |
| **Kim et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Kim et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kim et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kjaer et al., 2008** | Yes | Yes | Unclear | Yes | Unclear | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | High |

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| **Kolokotroni et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Krämer et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kuehni et al., 2001** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Kuhnyar et al., 2006** | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | No | Unclear | High |
| **Kupryś-Lipińska et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Kuroiwa et al., 2006** | Yes | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | No | No | No | No | Yes | Yes | No | No | Yes | High |
| **Kurt et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Kurukulaaratchy et al., 2003** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Kusunoki et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Kwon et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Lagrelius et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Lamnisos et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Yes | Low |
| **Lan et al., 2009** | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Lantinga et al.,1984** | Yes | Yes | No | Yes | Yes | Yes | N/A | Yes | Yes | No | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | Unclear | Unclear | Medium |
| **Larsson et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Lau et al., 1998** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | Unclear | Medium |
| **Laughter et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Lee et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Lee et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Lee et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Lee et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Lehtonen et al., 2003** | Yes | Yes | No | Yes | Unclear | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Leung et al., 1994** | Yes | Yes | Yes | Yes | Unclear | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Li et al., 2004** | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Li et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Li et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |

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| **Liao et al., 2005** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Liao et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Liebhart et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Lima et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Lin et al., 2022** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | Unclear | Medium |
| **López-Perez et al., 2001** | Yes | Yes | No | Yes | Yes | No | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Marks et al., 1999** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | High |
| **Martin et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Martorell Aragonés et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Maziak et al., 2003** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **McKenzie et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **McNeill et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Mebrahtu et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Mercer et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Miyake et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Miyake et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Mohammadzadeh et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Mohn et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Montefort et al., 1998** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Montnemery et al., 2003** | Yes | Yes | Yes | Yes | Unclear | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Morales Suárez-Varela, M. M.2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Morales-Suárez-Varela et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Morales-Romero et al., 2015** | Yes | Yes | Yes | Yes | Unclear | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Morales-Romero et al., 2018** | Yes | Yes | Yes | Yes | Unc | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |

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| **Moreno-Lopez et al., 2021** | Yes | Yes | Yes | Yes | Unc lear | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Morikawa et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Mortimer et al., 1993** | Yes | Yes | Yes | Unc lear | Unc lear | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Mortz et al., 2001** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Mortz et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Munivrana Skvorc et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Musharrafieh et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Muto et al., 2003** | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Nafei et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Naldi et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Nahhas et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Neame et al., 1995** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Neena et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Yes | Low |
| **Neto et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | Yes | No | Yes | Yes | No | Unclear | Medium |
| **Nnoruka et al., 2004** | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Nwaru et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Unc lear | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Oak et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Oh et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Okada et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Olesen et al., 2005** | Yes | Yes | Yes | Yes | Unc lear | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Osman et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Owayed et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Owens et al., 2018** | Yes | Yes | No | Yes | No | No | No | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |

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| **Park et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Pedersen et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Pedersen et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Peroni et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Pesce et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Peters et al., 2012** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Phathammavong et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Ponsonby et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Poysa et al., 1991** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Punekar et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Quah et al., 1997** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Quercia et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Rahimi et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Rahimi et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Ronmark et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Saeki et al., 2005** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Saeki et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Sahebi et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Saval et al., 1993** | Yes | Yes | Yes | Yes | Unclear | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Schafer et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Schmitz et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Schultz Larsen et al., 1996** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Selcuk et al., 1997** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Sendrasoa et al., 2020** | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | High |
| **Shamssain et al., 1999** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Shamssain et al., 2001** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Shamssain et al., 2007** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |

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| **Shao et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Sharma et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Shaw et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Shi et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Shokouhi Shoormasti et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Shpakou et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Shreberk-Hassidim et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | N/A | Low |
| **Silverberg et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Silverberg et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Simpson et al., 2002** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | N/A | Low |
| **Smidesang et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Smith-Sivertsen et al., 2003** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Sole et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Solis Soto et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Song et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Soto-Martinez et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Stensen et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Suarez-Varela et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Sugiura et al., 1998** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Sugiyama et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Suh et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Sula et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Sun et al., 2019** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | Yes | Medium |
| **Sybilski et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Tai et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Talay et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |

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| **Talay et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Tamsmark et al., 2001** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Tan et al., 2005** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Tay et al., 2002** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Teeratakulpisarn et al., 2004** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Theodosiou et al., 2019** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Toledo et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Uthaisangsook et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **van de Ven et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Vellinga et al., 2005** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Vichyanond et al., 2002** | Yes | Yes | No | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | High |
| **von Kobyletzki et al., 2014** | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Von Linstow et al., 2002** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Vrbova et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Wadonda-Kabondo et al., 2003** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Wakamori et al., 2009** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Waked et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Wander et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Wang et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Wang et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Wang et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Wang et al., 2015** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Wang et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Wang et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Weber et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Weber et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |
| **Wei et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Unclear | Low |

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| **Werner et al., 2002** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | Medium |
| **Wohl et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | N/A | Medium |
| **Wohl et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | Yes | No | N/A | Medium |
| **Wolkewitz et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | No | No | N/A | Yes | Yes | Yes | No | No | Yes | Medium |
| **Wootton et al., 2018** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Wordemann et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Worm et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Wu et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Xiao et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Xu et al., 2012** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Yan et al., 2005** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Yang et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Yamamoto-Hanada et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Yao et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes | Medium |
| **Yemaneberhan et al., 2004** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **You et al., 2011** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Yu et al., 2012** | Yes | Yes | Yes | Yes | Unclear | Unclear | N/A | Yes | Yes | Yes | No | No | No | No | Unclear | Yes | Yes | Yes | No | N/A | High |
| **Yuksel et al., 2008** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Yura et al., 2001** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | High |
| **Zamanfar et al., 2016** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Zar et al., 2007** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Zeng et al., 2006** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Zhang et al., 2013** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Zhang et al., 2020** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | No | No | Yes | Unclear | Yes | No | No | Unclear | High |
| **Zhao et al., 2000** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Unclear | Medium |
| **Zhao et al., 2010** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |

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| **Zhu et al., 2019** | Yes | Yes | Yes | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes | No | N/A | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Zietze et al., 2021** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Ziyab et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Unclear | Medium |
| **Ziyab et al., 2017** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |
| **Zong et al., 2014** | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | Low |

**AXIS: Appraisal tool of Cross-Sectional Studies:**

Q1) Were the aims/objectives of the study clear?
Q2) Was the study design appropriate for the stated aim(s)?
Q3) Was the sample size justified?
Q4) Was the target/reference population clearly defined? (Is it clear who the research was about?)
Q5) Was the sample frame taken from an appropriate population base so that it closely represented the target/reference population under investigation?
Q6) Was the selection process likely to select subjects/participants that were representative of the target/reference population under investigation?
Q7) Were measures undertaken to address and categorise non-responders?
Q8) Were the risk factor and outcome variables measured appropriate to the aims of the study?
Q9) Were the risk factor and outcome variables measured correctly using instruments/measurements that had been trialled, piloted or published previously?
Q10) Is it clear what was used to determined statistical significance and/or precision estimates? (eg, p values, CIs)
Q11) Were the methods (including statistical methods) sufficiently described to enable them to be repeated?
Q12) Were the basic data adequately described?
Q13) Does the response rate raise concerns about non-response bias?
Q14) If appropriate, was information about non-responders described?
Q15) Were the results internally consistent?
Q16) Were the results for the analyses described in the methods, presented?
Q17) Were the authors' discussions and conclusions justified by the results?
Q18) Were the limitations of the study discussed?
Q19) Were there any funding sources or conflicts of interest that may affect the authors' interpretation of the results?
Q20) Was ethical approval or consent of participants attained?

**Appendix 7 Countries and territories in analysis regions**

**Table S7. Countries and territories in analysis regions. The table gives the full details of the geographical groups and hierarchy used in the statistical model. The classification is the same as the one used by the Global Burden of Disease and by the United Nations. The hierarchy mainly follows geography and income.**

| Region | Countries |
|---|---|
| **Central Europe, eastern Europe, and central Asia** | |
| Asia, central | Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan |
| Europe, central | Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Montenegro, Poland, Romania, Serbia, Slovakia, Slovenia, TFYR Macedonia |
| Europe, eastern | Belarus, Estonia, Latvia, Lithuania, Moldova, Russia, Ukraine |
| **High income** | |
| Asia Pacific, high income | Brunei Darussalam, Japan, Republic of Korea, Singapore |
| Australasia | Australia, New Zealand |
| Europe, western | Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Israel, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom |
| Latin America, southern | Argentina, Chile, Uruguay |
| North America, high income | Canada, United States of America |
| **Latin America and Caribbean** | |
| Caribbean | Antigua and Barbuda, Bahamas, Barbados, Belize, Cuba, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Virgin Island (US) |
| Latin America, Andean | Bolivia, Ecuador, Peru |
| Latin America, central | Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Venezuela (Bolivarian Republic of) |
| Latin America, tropical | Brazil, Paraguay |
| **North Africa and Middle East** | |
| North Africa and the Middle East | Afghanistan, Algeria, Bahrain, Egypt, Iran (Islamic Republic of), Iraq, Jordan, Kuwait, Lebanon, Libyan Arab Jamahiriya, Morocco, Occupied Palestinian Territory, Oman, Qatar, Saudi Arabia, Sudan, Syrian Arab Republic, Sudan, Tunisia, Turkey, United Arab Emirates, Yemen |
| **South Asia** | |
| Asia, south | Bangladesh, Bhutan, India, Nepal, Pakistan |
| **South East Asia, east Asia, and Oceania** | |

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| Asia, east | China, Dem. People's Republic of Korea |
| Asia, South East | Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Maldives, Mauritius, Myanmar, Philippines, Seychelles, Sri Lanka, Thailand, Timor-Leste, Vietnam |
| Oceania | Fiji, Guam, Kiribati, Marshall Islands, Micronesia (Fed. States of), Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu |
| **Sub-Saharan Africa** | |
| Sub-Saharan Africa, central | Angola, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon |
| Sub-Saharan Africa, eastern | Burundi, Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Malawi, Mozambique, Rwanda, Somalia, South Sudan, Uganda, United Republic of Tanzania, Zambia |
| Sub-Saharan Africa, southern | Botswana, Lesotho, Namibia, South Africa, Swaziland, Zimbabwe |
| Sub-Saharan Africa, western | Benin, Burkina Faso, Côte d'Ivoire, Cameroon, Cape Verde, Chad, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, São Tomé and Príncipe, Senegal, Sierra Leone, Togo |

**References:**


1. United Nations, Department of Economic and Social Affairs, Population Division. World population prospects: the 2017 revision.Vol II. Demographic Profiles, 2017.
2. Parisi R, Iskandar IYK, Kontopantelis E, Augustin M, Griffiths CEM, Ashcroft DM; Global Psoriasis Atlas. National, regional, and worldwide epidemiology of psoriasis: systematic analysis and modelling study. BMJ. 2020 May 28;369:m1590

## Appendix 8 Characteristics of studies reporting on incidence of AD.

### Table S8. Characteristics of studies reporting on incidence of AD.

| No. | Study | Study time | Study outcome | Country | Reference |
|---|---|---|---|---|---|
| 216 | Burgess et al., 2008 | 2004 | Prevalence & Incidence | Australia | Burgess JA, Dharmage SC, Byrnes GB, Matheson MC, Gurrin LC, Wharton CL, et al. Childhood eczema and asthma incidence and persistence: a cohort study from childhood to middle age. J Allergy Clin Immunol 2008; 122: 280-285. |
| 80 | Henriksen et al., 2015 | 2010-2012 | Incidence | Denmark | Henriksen L, Simonsen J, Haerskjold A, Linder M, Kieler H, Thomsen SF, Stensballe LG. Incidence rates of atopic dermatitis, asthma, and allergic rhinoconjunctivitis in Danish and Swedish children. J Allergy Clin Immunol. 2015 Aug;136(2):360-6.e2. |
| 243 | Halkjaer et al., 2006 | 1998-2001 | Incidence | Denmark | Halkjaer LB, Loland L, Buchvald FF, Agner T, Skov L, Strand M, et al. Development of atopic dermatitis during the first 3 years of life: the Copenhagen prospective study on asthma in childhood cohort study in high-risk children. Arch Dermatol 2006; 142: 561-566. |
| 183 | Tamsmark et al., 2001 | 1996-1998 | Incidence | Denmark | Tamsmark TH, Koch A, Melbye M, Mølbak K. Incidence and predictors of atopic dermatitis in an open birth cohort in Sisimiut, Greenland. Acta Paediatr. 2001 Sep;90(9):982-8. |
| 284 | Poysa et al., 1991 | 1981-1986 | Prevalence & Incidence | Finland | Poysa L, Korppi M, Pietikainen M, Remes K, Juntunen-Backman K. Asthma, allergic rhinitis and atopic eczema in Finnish children and adolescents. Allergy 1991; 46: 161-165. |
| 67 | Peters et al., 2012 | 1995-1996 | Prevalence & Incidence | Germany | Peters AS, Kellberger J, Vogelberg C, Dressel H, Windstetter D, Weinmayr G, Genuneit J, Nowak D, von Mutius E, Radon K. Prediction of the incidence, recurrence, and persistence of atopic dermatitis in adolescence: a prospective cohort study. J Allergy Clin Immunol. 2010 Sep;126(3):590-5.e1-3. |
| 260 | Krämer et al., 2009 | 1995-1999 | Prevalence & Incidence | Germany | Kramer U, Sugiri D, Ranft U, Krutmann J, von Berg A, Berdel D, et al. Eczema, respiratory allergies, and traffic-related air pollution in birth cohorts from small-town areas. J Dermatol Sci 2009; 56: 99-105. |
| 217 | Cantarutti et al., 2015 | 2006-2012 | Prevalence & Incidence | Italy | Cantarutti A, Dona D, Visentin F, Borgia E, Scamarcia A, Cantarutti L, et al. Epidemiology of Frequently Occurring Skin Diseases in Italian Children from 2006 to 2012: A Retrospective, Population-Based Study. Pediatr Dermatol 2015; 32: 668-678. |
| 1 | Lantinga et al.,1984 | 1979-1982 | Prevalence & Incidence | Netherlands | Lantinga H, Nater JP, Coenraads PJ. Prevalence, incidence and course of eczema on the hands and forearms in a sample of the general population. Contact Dermatitis. |

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| | | | | | 1984 Mar;10(3):135-9. |
| 95 | Mohn et al., 2018 | 2009-2014 | Incidence | Norway | Mohn CH, Blix HS, Halvorsen JA, Nafstad P, Valberg M, Lagerløv P. Incidence Trends of Atopic Dermatitis in Infancy and Early Childhood in a Nationwide Prescription Registry Study in Norway. JAMA Netw Open. 2018 Nov 2;1(7):e184145. |
| 118 | Park et al., 2021 | 2008-2013 | Incidence | People's Republic of Korea | Park SK, Kim JS, Seo HM. Exposure to air pollution and incidence of atopic dermatitis in the general population: A national population-based retrospective cohort study. J Am Acad Dermatol. 2021 Jul 6:S0190-9622(21)02066-1. |
| 102 | Arnedo-Pena et al., 2020 | 2002-2012 | Prevalence & Incidence | Spain | Arnedo-Pena A, Puig-Barberà J, Artero-Civera A, Romeu-Garcia MA, Meseguer-Ferrer N, Fenollosa-Amposta C, Vizcaino-Batllés A, Silvestre-Silvester E, Pac-Sa MR, Segura-Navas L, Dubón MA, Fabregat-Puerto J, Bellido-Blasco JB. Atopic dermatitis incidence and risk factors in young adults in Castellon (Spain): A prospective cohort study. Allergol Immunopathol (Madr). 2020 Nov-Dec;48(6):694-700. |
| 45 | Larsson et al., 2008 | 2000-2005 | Prevalence & Incidence | Sweden | Larsson M, Hägerhed-Engman L, Sigsgaard T, Janson S, Sundell J, Bornehag CG. Incidence rates of asthma, rhinitis and eczema symptoms and influential factors in young children in Sweden. Acta Paediatr. 2008 Sep;97(9):1210-5. |
| 80 | Henriksen et al., 2015 | 2010-2012 | Incidence | Sweden | Henriksen L, Simonsen J, Haerskjold A, Linder M, Kieler H, Thomsen SF, Stensballe LG. Incidence rates of atopic dermatitis, asthma, and allergic rhinoconjunctivitis in Danish and Swedish children. J Allergy Clin Immunol. 2015 Aug;136(2):360-6.e2. |
| 87 | Mebrahtu et al., 2016 | 2007-2011 | Prevalence & Incidence | United Kingdom | Mebrahtu TF, Feltbower RG, Parslow RC. Incidence and Burden of Wheezing Disorders, Eczema, and Rhinitis in Children: findings from the Born in Bradford Cohort. Paediatr Perinat Epidemiol. 2016 Nov;30(6):594-602. |
| 185 | Wadonda-Kabondo et al., 2003 | 1991-1996 | Prevalence & Incidence | United Kingdom | Wadonda-Kabondo N, Sterne JA, Golding J, Kennedy CT, Archer CB, Dunnill MG; ALSPAC Study Team. A prospective study of the prevalence and incidence of atopic dermatitis in children aged 0-42 months. Br J Dermatol. 2003 Nov;149(5):1023-8. |
| 212 | Bleiker et al., 2000 | 1992 | Prevalence & Incidence | United Kingdom | Bleiker TO, Shahidullah H, Dutton E, Graham-Brown RA. The prevalence and incidence of atopic dermatitis in a birth cohort: the importance of a family history of atopy. Arch Dermatol 2000; 136: 274. |
| 285 | Punekar et al., 2009 | 1990 | Prevalence & Incidence | United Kingdom | Punekar YS, Sheikh A. Establishing the incidence and prevalence of clinician-diagnosed allergic conditions in children and adolescents using routinely collected data from general practices. Clin Exp Allergy. 2009 Aug;39(8):1209-16. |

Abbreviation: NR, not reported.

**Table S9. Characteristics of studies reporting on prevalence of AD.**

| No. | Study | Study time | Study outcome | Country | Reference |
|---|---|---|---|---|---|
| 9 | Beasley et al., 1998 | 1995-1996 | Prevalence | Albania | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2000-2001 | Prevalence | Albania | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 9 | Beasley et al., 1998 | 1994-1996 | Prevalence | Algeria | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2002 | Prevalence | Algeria | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 98 | Arrais et al., 2019 | 2014-2015 | Prevalence | Angola | Arrais M, Lulua O, Quifica F, Rosado-Pinto J, Gama JMR, Taborda-Barata L. Prevalence of asthma, allergic rhinitis and eczema in 6-7-year-old schoolchildren from Luanda, Angola. Allergol Immunopathol (Madr). 2019 Nov-Dec;47(6):523-534. |
| 201 | Arrais et al., 2017 | 2014 | Prevalence | Angola | Arrais M, Lulua O, Quifica F, Rosado-Pinto J, Gama JMR, Taborda-Barata L. Prevalence of asthma and allergies in 13-14-year-old adolescents from Luanda, Angola. Int J Tuberc Lung Dis. 2017 Jun 1;21(6):705-712. |
| 9 | Beasley et al., 1998 | 1995-1997 | Prevalence | Argentina | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2001-2003 | Prevalence | Argentina | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms |

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| | | | | | of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 157 | Silverberg et al., 2021 | 2018-2019 | Prevalence | Argentina | Silverberg JI, Barbarot S, Gadkari A, Simpson EL, Weidinger S, Mina-Osorio P, Rossi AB, Brignoli L, Saba G, Guillemin I, Fenton MC, Auziere S, Eckert L. Atopic dermatitis in the pediatric population: A cross-sectional, international epidemiologic study. Ann Allergy Asthma Immunol. 2021 Apr;126(4):417-428.e2. |
| 224 | Dei-Cas et al., 2011 | 2008-2009 | Prevalence | Argentina | Dei-Cas PG, Acuña MK, Dei-Cas I. Atopic dermatitis in children: A comparative survey among 2 age groups. Rev Chil Pediatr 2011; 82: 410-418. |
| 9 | Beasley et al., 1998 | 1993-1994 | Prevalence | Australia | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 12 | Marks et al., 1999 | NR | Prevalence | Australia | Marks R, Kilkenny M, Plunkett A, Merlin K. The prevalence of common skin conditions in Australian school students: 2. Atopic dermatitis. Br J Dermatol. 1999 Mar;140(3):468-73. |
| 31 | Foliaki et al., 2007 | 2001-2002 | Prevalence | Australia | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 48 | Ponsonby et al., 2008 | 2000-2005 | Prevalence | Australia | Ponsonby AL, Glasgow N, Pezic A, Dwyer T, Ciszek K, Kljakovic M. A temporal decline in asthma but not eczema prevalence from 2000 to 2005 at school entry in the Australian Capital Territory with further consideration of country of birth. Int J Epidemiol. 2008 Jun;37(3):559-69. |
| 71 | Martin et al., 2013 | 2008-2011 | Prevalence | Australia | Martin PE, Koplin JJ, Eckert JK, Lowe AJ, Ponsonby AL, Osborne NJ, Gurrin LC, Robinson MN, Hill DJ, Tang ML, Dharmage SC, Allen KJ; HealthNuts Study Investigators. The prevalence and socio-demographic risk factors of clinical eczema in infancy: a population-based observational study. Clin Exp Allergy. 2013 Jun;43(6):642-51. |
| 96 | Owens et al., 2018 | 1987-2011 | Prevalence | Australia | Owens L, Laing IA, Zhang G, Turner S, Le Souëf PN. Prevalence of allergic sensitization, hay fever, eczema, and asthma in a longitudinal birth cohort. J Asthma Allergy. 2018 Aug 13;11:173-180. |

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| 216 | Burgess et al., 2008 | 2004 | Prevalence & Incidence | Australia | Burgess JA, Dharmage SC, Byrnes GB, Matheson MC, Gurrin LC, Wharton CL, et al. Childhood eczema and asthma incidence and persistence: a cohort study from childhood to middle age. J Allergy Clin Immunol 2008; 122: 280-285. |
| 238 | Foley et al., 2001 | 1998-1999 | Prevalence | Australia | Foley P, Zuo Y, Plunkett A, Marks R. The frequency of common skin conditions in preschool-age children in Australia: atopic dermatitis. Arch Dermatol 2001; 137: 293-300. |
| 305 | Tai et al., 2009 | 2006 | Prevalence | Australia | Tai A, Volkmer R, Burton A. Prevalence of asthma symptoms and atopic disorders in preschool children and the trend over a decade. J Asthma 2009; 46: 343-346. |
| 9 | Beasley et al., 1998 | 1995-1996 | Prevalence | Austria | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2002-2003 | Prevalence | Austria | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 130 | Weber et al., 2010 | 1995-1997 | Prevalence | Austria | Weber AS, Haidinger G. The prevalence of atopic dermatitis in children is influenced by their parents' education: results of two cross-sectional studies conducted in Upper Austria. Pediatr Allergy Immunol. 2010 Nov;21(7):1028-35. |
| 198 | Al-Sindi et al., 2014 | 2010 | Prevalence | Bahrain | Al-Sindi H , Al-Mulla M , Bu-Saibaa A , et al. Prevalence of asthma and allergic diseases in children aged 6-7 in the Kingdom of Bahrain. journal of the bahrain medical society, 2014. |
| 116 | Pedersen et al., 2020 | 2017-2018 | Prevalence | Bangladesh | Pedersen CJ, Uddin MJ, Saha SK, Darmstadt GL. Prevalence of atopic dermatitis, asthma and rhinitis from infancy through adulthood in rural Bangladesh: a population-based, cross-sectional survey. BMJ Open. 2020 Nov 4;10(11):e042380. |
| 155 | Pedersen et al., 2021 | 2017-2018 | Prevalence | Bangladesh | Pedersen CJ, Uddin MJ, Saha SK, Darmstadt GL. Prevalence and psychosocial impact of atopic dermatitis in Bangladeshi children and families. PLoS One. 2021 Apr 16;16(4):e0249824. |

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| 9 | Beasley et al., 1998 | 1996 | Prevalence | Barbados | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2001-2002 | Prevalence | Barbados | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 295 | Shpakou et al., 2012 | 2010 | Prevalence | Belarus | Shpakou A, Brozek G, Stryzhak A, Neviartovich T, Zejda J. Allergic diseases and respiratory symptoms in urban and rural children in Grodno Region (Belarus). Pediatr Allergy Immunol 2012; 23: 339-346. |
| 9 | Beasley et al., 1998 | 1994-1995 | Prevalence | Belgium | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2002 | Prevalence | Belgium | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 50 | Govaere et al., 2009 | 2004-2005 | Prevalence | Belgium | Govaere E, Van Gysel D, Verhamme KM, Doli E, Oranje AP, De Baets F. The prevalence, characteristics of and risk factors for eczema in Belgian schoolchildren. Pediatr Dermatol. 2009 Mar-Apr;26(2):129-38. |
| 244 | Harrop et al., 2007 | 1990-2002 | Prevalence | Belgium | Harrop J, Chinn S, Verlato G, Olivieri M, Norback D, Wjst M, et al. Eczema, atopy and allergen exposure in adults: a population-based study. Clin Exp Allergy 2007; 37: 526-535. |
| 313 | Vellinga et al., 2005 | 1995-1996 | Prevalence | Belgium | Vellinga A, Droste JHJ, Vermeire PA, Desager K, De Backer WA, Nelen VJ, et al. Changes in respiratory and allergic symptoms in schoolchildren from 1996 to 2002, results from the Isaac surveys in Antwerp (Belgium). Acta Clinica Belgica 2005; 60: 219-225. |
| 31 | Foliaki et al., 2007 | 2002 | Prevalence | Bolivia | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms |

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| | | | | | of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 181 | Solis Soto et al., 2014 | 2011 | Prevalence | Bolivia | Solis Soto MT, Patiño A, Nowak D, Radon K. Prevalence of asthma, rhinitis and eczema symptoms in rural and urban school-aged children from Oropeza Province - Bolivia: a cross-sectional study. BMC Pulm Med. 2014 Mar 10;14:40. |
| 9 | Beasley et al., 1998 | 1994-1996 | Prevalence | Brazil | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2000-2004 | Prevalence | Brazil | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 36 | Neto et al., 2006 | 2002 | Prevalence | Brazil | Neto AC, Annes RD, Wolff NM, Klein AP, Dos Santos FC, Dullius JL, Gressler M, Muller LS, Angonese CF, Menna-Barreto S. Prevalence and severity of asthma, rhinitis, and atopic eczema in 13- to 14-year-old schoolchildren from southern Brazil. Allergy Asthma Clin Immunol. 2006 Mar 15;2(1):3-10. |
| 40 | Lima et al., 2007 | 2002 | Prevalence | Brazil | Lima RG, Pastorino AC, Casagrande RR, Sole D, Leone C, Jacob CM. Prevalence of asthma, rhinitis and eczema in 6 - 7 years old students from the western districts of São Paulo City, using the standardized questionnaire of the "International Study of Asthma and Allergies in Childhood" (ISAAC)-phase IIIB. Clinics (Sao Paulo). 2007 Jun;62(3):225-34. |
| 139 | Toledo et al., 2016 | 2012 | Prevalence | Brazil | Toledo MF, Saraiva-Romanholo BM, Oliveira RC, Saldiva PH, Silva LF, Nascimento LF, Solé D. Changes over time in the prevalence of asthma, rhinitis and atopic eczema in adolescents from Taubaté, São Paulo, Brazil (2005-2012): Relationship with living near a heavily travelled highway. Allergol Immunopathol (Madr). 2016 Sep-Oct;44(5):439-44. |
| 157 | Silverberg et al., 2021 | 2018-2019 | Prevalence | Brazil | Silverberg JI, Barbarot S, Gadkari A, Simpson EL, Weidinger S, Mina-Osorio P, Rossi AB, Brignoli L, Saba G, Guillemin I, Fenton MC, Auziere S, Eckert L. Atopic dermatitis in the pediatric population: A cross-sectional, international |

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| 162 | Castro et al., 2010 | 2008 | Prevalence | Brazil | Castro LK, Cerci Neto A, Ferreira Filho OF. Prevalence of symptoms of asthma, rhinitis and atopic eczema among students between 6 and 7 years of age in the city of Londrina, Brazil. J Bras Pneumol. 2010 May-Jun;36(3):286-92. |
| 301 | Sole et al., 2015 | 2012 | Prevalence | Brazil | Sole D, Rosario Filho NA, Sarinho ES, Camelo-Nunes IC, Barreto BA, Medeiros ML, et al. Prevalence of asthma and allergic diseases in adolescents: nine-year follow-up study (2003-2012). J Pediatr (Rio J) 2015; 91: 30-35. |
| 31 | Foliaki et al., 2007 | 2003 | Prevalence | Cameroon | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 211 | Bissek et al., 2012 | 2010 | Prevalence | Cameroon | Bissek AC, Tabah EN, Kouotou E, Sini V, Yepnjio FN, Nditanchou R, Nchufor RN, Defo D, Dema F, Fonsah JY, Njamnshi AK, Muna WF. The spectrum of skin diseases in a rural setting in Cameroon (sub-Saharan Africa). BMC Dermatol. 2012 Jun 21;12:7. |
| 9 | Beasley et al., 1998 | 1994-1995 | Prevalence | Canada | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2003 | Prevalence | Canada | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 74 | Forsey et al., 2014 | 2008 | Prevalence | Canada | Forsey RG. Prevalence of childhood eczema and food sensitization in the First Nations reserve of Natuashish, Labrador, Canada. BMC Pediatr. 2014 Mar 20;14:76. |
| 91 | Barbarot et al., 2018 | 2016 | Prevalence | Canada | Barbarot S, Auziere S, Gadkari A, Girolomoni G, Puig L, Simpson EL, Margolis DJ, de Bruin-Weller M, Eckert L. Epidemiology of atopic dermatitis in adults: Results from an international survey. Allergy. 2018 Jun;73(6):1284-1293. |
| 129 | Wang et al., 2010 | 2003 | Prevalence | Canada | Wang HY, Pizzichini MM, Becker AB, Duncan JM, Ferguson AC, Greene JM, Rennie DC, Senthilselvan A, Taylor BW, Sears MR. Disparate geographic |

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| 31 | Foliaki et al., 2007 | 2000-2003 | Prevalence | United Kingdom | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
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| 244 | Harrop et al., 2007 | 1990-2002 | Prevalence | United Kingdom | Harrop J, Chinn S, Verlato G, Olivieri M, Norback D, Wjst M, et al. Eczema, atopy and allergen exposure in adults: a population-based study. Clin Exp Allergy 2007; 37: 526-535. |
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| 157 | Silverberg et al., 2021 | 2018-2019 | Prevalence | United Kingdom | Silverberg JI, Barbarot S, Gadkari A, Simpson EL, Weidinger S, Mina-Osorio P, Rossi AB, Brignoli L, Saba G, Guillemin I, Fenton MC, Auziere S, Eckert L. Atopic dermatitis in the pediatric population: A cross-sectional, international epidemiologic study. Ann Allergy Asthma Immunol. 2021 Apr;126(4):417-428.e2. |
| 336 | Ziyab et al., 2014 | 1999 | Prevalence | United Kingdom | Ziyab AH, Karmaus W, Zhang H, Holloway JW, Steck SE, Ewart S, et al. Allergic sensitization and filaggrin variants predispose to the comorbidity of eczema, asthma, and rhinitis: results from the Isle of Wight birth cohort. Clin Exp Allergy 2014; 44: 1170-1178. |
| 9 | Beasley et al., 1998 | 1995 | Prevalence | United States | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 16 | Laughter et al., 2000 | NR | Prevalence | United States | Laughter D, Istvan JA, Tofte SJ, Hanifin JM. The prevalence of atopic |

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| | | | | | dermatitis in Oregon schoolchildren. J Am Acad Dermatol. 2000 Oct;43(4):649-55. |
| 31 | Foliaki et al., 2007 | 2002-2003 | Prevalence | United States | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
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| 85 | Hill et al., 2016 | 2001-2013 | Prevalence | United States | Hill DA, Grundmeier RW, Ram G, Spergel JM. The epidemiologic characteristics of healthcare provider-diagnosed eczema, asthma, allergic rhinitis, and food allergy in children: a retrospective cohort study. BMC Pediatr. 2016 Aug 20;16:133. |
| 91 | Barbarot et al., 2018 | 2016 | Prevalence | United States | Barbarot S, Auziere S, Gadkari A, Girolomoni G, Puig L, Simpson EL, Margolis DJ, de Bruin-Weller M, Eckert L. Epidemiology of atopic dermatitis in adults: Results from an international survey. Allergy. 2018 Jun;73(6):1284-1293. |
| 100 | Chiesa Fuxench et al., 2019 | NR | Prevalence | United States | Chiesa Fuxench ZC, Block JK, Boguniewicz M, Boyle J, Fonacier L, Gelfand JM, Grayson MH, Margolis DJ, Mitchell L, Silverberg JI, Schwartz L, Simpson EL, Ong PY. Atopic Dermatitis in America Study: A Cross-Sectional Study Examining the Prevalence and Disease Burden of Atopic Dermatitis in the US Adult Population. J Invest Dermatol. 2019 Mar;139(3):583-590. |
| 101 | McKenzie et al., 2019 | 2003-2015 | Prevalence | United States | McKenzie C, Silverberg JI. The prevalence and persistence of atopic dermatitis in urban United States children. Ann Allergy Asthma Immunol. 2019 Aug;123(2):173-178.e1. |
| 131 | Shaw et al., 2011 | 2003 | Prevalence | United States | Shaw TE, Currie GP, Koudelka CW, Simpson EL. Eczema prevalence in the United States: data from the 2003 National Survey of Children's Health. J Invest Dermatol. 2011 Jan;131(1):67-73. |
| 135 | Silverberg et al., 2013 | 2010 | Prevalence | United States | Silverberg JI, Hanifin JM. Adult eczema prevalence and associations with asthma and other health and demographic factors: a US population-based study. J Allergy Clin Immunol. 2013 Nov;132(5):1132-8. |
| 157 | Silverberg et al., 2021 | 2018-2019 | Prevalence | United States | Silverberg JI, Barbarot S, Gadkari A, Simpson EL, Weidinger S, Mina-Osorio P, Rossi AB, Brignoli L, Saba G, Guillemin I, Fenton MC, Auziere S, Eckert L. Atopic dermatitis in the pediatric population: A cross-sectional, international |

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| | | | | | epidemiologic study. Ann Allergy Asthma Immunol. 2021 Apr;126(4):417-428.e2. |
| 244 | Harrop et al., 2007 | 1990-2002 | Prevalence | United States | Harrop J, Chinn S, Verlato G, Olivieri M, Norback D, Wjst M, et al. Eczema, atopy and allergen exposure in adults: a population-based study. Clin Exp Allergy 2007; 37: 526-535. |
| 246 | Hua et al., 2018 | 2012 | Prevalence | United States | Hua T, Silverberg JI. Atopic dermatitis in US adults: Epidemiology, association with marital status, and atopy. Annals of Allergy, Ann Allergy Asthma Immunol 2018; 121: 622-624. |
| 9 | Beasley et al., 1998 | 1994-1995 | Prevalence | Uruguay | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2001-2002 | Prevalence | Uruguay | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 9 | Beasley et al., 1998 | 1994-1996 | Prevalence | Uzbekistan | Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. Lancet. 1998 Apr 25;351(9111):1225-32. |
| 31 | Foliaki et al., 2007 | 2002-2003 | Prevalence | Venezuela | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |
| 31 | Foliaki et al., 2007 | 2001 | Prevalence | Vietnam | Foliaki S, Annesi-Maesano I, Daniel R, Fakakovikaetau T, Magatongia M, Tuuau-Potoi N, Waqatakirewa L, Cheng SK, Pearce N. Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in Childhood (ISAAC). Allergy. 2007 Mar;62(3):259-64. |

Abbreviation: NR, not reported

## Appendix 9 Estimated period prevalence of AD of all subgroups

### Table S10. Estimated period prevalence of AD diagnosed by physician/ dermatologist for the overall population.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 2.62 | 1.85-3.49 | 204047.76 | 143949.57-272183.05 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 1.84 | 1.18-2.76 | 7692.35 | 4932.17-11509 | SUPER-REGION |
| **Asia, central** | 1.62 | 0.84-2.45 | 1532.71 | 791.53-2324.74 | REGION |
| **Armenia** | 1.62 | 0.84-2.45 | 48 | 24.89-72.59 | Region |
| **Azerbaijan** | 1.62 | 0.84-2.45 | 164.25 | 85.17-248.41 | Region |
| **Georgia** | 0.9 | 0.86-0.95 | 35.99 | 34.26-37.84 | Country |
| **Kazakhstan** | 1.62 | 0.84-2.45 | 304.18 | 157.72-460.02 | Region |
| **Kyrgyzstan** | 0.73 | 0.68-0.79 | 47.74 | 44.36-51.12 | Country |
| **Mongolia** | 1.62 | 0.84-2.45 | 53.11 | 27.54-80.32 | Region |
| **Tajikistan** | 1.62 | 0.84-2.45 | 154.51 | 80.12-233.67 | Region |
| **Turkmenistan** | 1.62 | 0.84-2.45 | 97.7 | 50.66-147.76 | Region |
| **Uzbekistan** | 0.83 | 0.74-0.93 | 277.65 | 248.88-310.92 | Country |
| **Europe, central** | 1.79 | 1.25-2.55 | 2036.38 | 1423.07-2899.73 | REGION |
| **Albania** | 0.46 | 0.42-0.51 | 13.3 | 12.09-14.61 | Country |
| **Bosnia and Herzegovina** | 2.29 | 2.06-2.54 | 75.03 | 67.65-83.38 | Country |
| **Bulgaria** | 1.79 | 1.25-2.55 | 124.37 | 86.85-177.18 | Region |
| **Croatia** | 1.64 | 1.56-1.72 | 67.23 | 64-70.37 | Country |
| **Czechia** | 1.79 | 1.25-2.55 | 191.68 | 133.86-273.07 | Region |
| **Hungary** | 2.15 | 2.06-2.25 | 207.71 | 199-217.11 | Country |
| **Montenegro** | 1.79 | 1.25-2.55 | 11.24 | 7.85-16.02 | Region |
| **Poland** | 2.29 | 2.24-2.35 | 867.21 | 846.86-888.2 | Country |
| **Romania** | 1.41 | 1.33-1.49 | 270.64 | 254.84-286.84 | Country |
| **Serbia** | 2.37 | 2.28-2.48 | 207.37 | 199.21-216.18 | Country |
| **Slovakia** | 4.83 | 3.57-6.23 | 263.44 | 195.25-340.42 | Country |
| **Slovenia** | 1.79 | 1.25-2.55 | 37.21 | 25.98-53.01 | Region |
| **North Macedonia** | 1.79 | 1.25-2.55 | 37.29 | 26.04-53.13 | Region |
| **Europe, eastern** | 1.66 | 0.93-2.48 | 3044.33 | 1572.73-4626.62 | REGION |
| **Belarus** | 1.65 | 0.91-2.52 | 137.08 | 69.44-200.74 | Country |
| **Estonia** | 2.28 | 1.26-3.49 | 26.63 | 13.62-38.92 | Country |
| **Latvia** | 1.34 | 0.74-2.06 | 22.24 | 11.03-33.42 | Country |
| **Lithuania** | 0.53 | 0.29-0.82 | 12.62 | 6.21-19.08 | Country |
| **Republic of Moldova** | 1.66 | 0.93-2.48 | 66.96 | 37.52-100.04 | Region |
| **Russia** | 3.06 | 1.7-4.64 | 3931.49 | 2019.04-5817.78 | Country |
| **Ukraine** | 1.18 | 0.65-1.82 | 455.3 | 230.37-669.82 | Country |
| **High income** | 2.83 | 2.06-3.79 | 30747.21 | 22327.35-41121.38 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 2.78 | 1.78-4.09 | 5106.06 | 3269.09-7526.88 | REGION |
| **Brunei Darussalam** | 2.78 | 1.78-4.09 | 12.16 | 7.79-17.89 | Region |
| **Japan** | 3.68 | 3.65-3.71 | 4649.18 | 4610.47-4688.07 | Country |
| **Republic of Korea** | 2.09 | 2.07-2.1 | 1069.66 | 1062.43-1077.18 | Country |
| **Singapore** | 2.67 | 2.6-2.74 | 156.38 | 152.24-160.58 | Country |
| **Australasia** | 3.07 | 2.15-4.43 | 929.43 | 650.96-1343.07 | REGION |
| **Australia** | 6.02 | 5.93-6.12 | 1534.73 | 1511.4-1559.58 | Country |
| **New Zealand** | 5.48 | 5.39-5.56 | 264.09 | 259.89-268.13 | Country |
| **Europe, western** | 2.96 | 2.34-3.76 | 12868.24 | 10146.57-16320.22 | REGION |
| **Austria** | 1.87 | 1.83-1.93 | 168.76 | 164.53-173.22 | Country |
| **Belgium** | 3.6 | 3.51-3.67 | 416.95 | 406.96-425.99 | Country |
| **Cyprus** | 1.52 | 1.44-1.6 | 18.31 | 17.32-19.41 | Country |
| **Denmark** | 3.87 | 3.8-3.95 | 224.31 | 219.92-228.92 | Country |
| **Finland** | 5.09 | 4.95-5.21 | 281.77 | 274.22-288.49 | Country |
| **France** | 4.57 | 4.48-4.66 | 2982.56 | 2922.12-3039.85 | Country |
| **Germany** | 4.19 | 4.15-4.22 | 3505.67 | 3479.35-3532.71 | Country |
| **Greece** | 1.19 | 1.13-1.25 | 123.98 | 118.03-130.04 | Country |
| **Iceland** | 10.02 | 8.65-11.39 | 34.19 | 29.48-38.94 | Country |
| **Ireland** | 3.13 | 2.99-3.26 | 154.35 | 147.44-161.03 | Country |
| **Israel** | 0.31 | 0.3-0.31 | 26.6 | 26.02-27.15 | Country |
| **Italy** | 3.27 | 3.24-3.3 | 1977.19 | 1959.79-1994.52 | Country |
| **Luxembourg** | 2.96 | 2.34-3.76 | 18.53 | 14.65-23.53 | Region |
| **Malta** | 1.78 | 1.71-1.85 | 7.88 | 7.52-8.22 | Country |
| **Netherlands** | 5.69 | 5.56-5.84 | 974.83 | 951.59-1000.49 | Country |
| **Norway** | 4.26 | 4.15-4.38 | 230.82 | 224.67-237.11 | Country |
| **Portugal** | 2.18 | 2.12-2.23 | 221.95 | 216.55-227.75 | Country |
| **Spain** | 4.45 | 4.41-4.5 | 2082.02 | 2062.57-2102.03 | Country |
| **Sweden** | 5.91 | 5.83-5.98 | 596.38 | 588.43-604.23 | Country |
| **Switzerland** | 2.69 | 2.51-2.87 | 232.84 | 217.1-248.8 | Country |
| **United Kingdom** | 4.2 | 4.17-4.22 | 2848.76 | 2830.83-2867.28 | Country |
| **Latin America, southern** | 2.92 | 1.75-4.27 | 1980.82 | 1183.47-2898.46 | REGION |
| **Argentina** | 2.6 | 2.54-2.67 | 1176.09 | 1148.79-1206.9 | Country |
| **Chile** | 3.35 | 3.28-3.41 | 639.35 | 626.62-651.96 | Country |
| **Uruguay** | 1.81 | 1.73-1.9 | 62.95 | 59.97-66.04 | Country |
| **North America, high income** | 3.1 | 1.98-4.87 | 11424.7 | 7303.2-17967.02 | REGION |
| **Canada** | 3.6 | 3.51-3.68 | 1357.35 | 1323.53-1388.44 | Country |
| **United States of America** | 3.67 | 3.63-3.71 | 12146.47 | 12021.23-12264.86 | Country |
| **Latin America and Caribbean** | 2.97 | 2.12-4.03 | 17342.57 | 12375.68-23533.31 | SUPER-REGION |
| **Caribbean** | 3.08 | 1.98-4.63 | 1254.91 | 776.16-1814.93 | REGION |
| **Antigua and Barbuda** | 3.08 | 1.98-4.63 | 3.02 | 1.94-4.53 | Region |
| **Bahamas** | 3.08 | 1.98-4.63 | 12.11 | 7.79-18.21 | Region |
| **Barbados** | 2.09 | 1.35-3.56 | 5.41 | 5.14-5.72 | Country |

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|---|---|---|---|---|---|
| **Belize** | 3.08 | 1.98-4.63 | 12.25 | 7.87-18.41 | Region |
| **Cuba** | 4.29 | 2.82-7.17 | 440.95 | 417.28-465.77 | Country |
| **Dominican Republic** | 3.08 | 1.98-4.63 | 334.04 | 214.74-502.15 | Region |
| **Grenada** | 3.08 | 1.98-4.63 | 3.47 | 2.23-5.21 | Region |
| **Guyana** | 3.08 | 1.98-4.63 | 24.22 | 15.57-36.41 | Region |
| **Haiti** | 3.08 | 1.98-4.63 | 351.19 | 225.76-527.92 | Region |
| **Jamaica** | 3.08 | 1.98-4.63 | 91.2 | 58.63-137.09 | Region |
| **Puerto Rico** | 3.08 | 1.98-4.63 | 88.06 | 56.61-132.38 | Region |
| **Saint Lucia** | 3.08 | 1.98-4.63 | 5.65 | 3.64-8.5 | Region |
| **Saint Vincent and the Grenadines** | 3.08 | 1.98-4.63 | 3.42 | 2.2-5.14 | Region |
| **Suriname** | 3.08 | 1.98-4.63 | 18.07 | 11.61-27.16 | Region |
| **Trinidad and Tobago** | 1.6 | 1.03-2.77 | 20.28 | 18.54-22.02 | Country |
| **Virgin Island (US)** | 3.08 | 1.98-4.63 | 3.22 | 2.07-4.83 | Region |
| **Latin America, Andean** | 3.3 | 2.17-5.04 | 2056.38 | 1349.89-3137.83 | REGION |
| **Bolivia** | 4.96 | 4.68-5.25 | 578.93 | 545.9-612.82 | Country |
| **Ecuador** | 3.41 | 3.3-3.53 | 602.25 | 582.65-623.24 | Country |
| **Peru** | 3.76 | 3.57-3.95 | 1239.1 | 1177.51-1302.6 | Country |
| **Latin America, central** | 3.19 | 2.21-4.35 | 8241.9 | 5724.62-11243.58 | REGION |
| **Colombia** | 3.41 | 3.33-3.5 | 1734.96 | 1695.24-1778.6 | Country |
| **Costa Rica** | 2.36 | 2.27-2.46 | 120.41 | 115.72-125.15 | Country |
| **El Salvador** | 1.92 | 1.79-2.07 | 124.55 | 115.83-134 | Country |
| **Guatemala** | 3.19 | 2.21-4.35 | 571.49 | 395.92-779.31 | Region |
| **Honduras** | 4.24 | 4.02-4.48 | 419.78 | 398.32-443.9 | Country |
| **Mexico** | 1.53 | 1.49-1.56 | 1968.68 | 1926.03-2015.78 | Country |
| **Nicaragua** | 5.46 | 5.24-5.7 | 361.43 | 346.59-376.89 | Country |
| **Panama** | 4.6 | 4.45-4.75 | 198.46 | 191.84-205.06 | Country |
| **Venezuela (Bolivarian Republic of)** | 5.86 | 5.64-6.1 | 1667.24 | 1601.77-1734.87 | Country |
| **Latin America, tropical** | 3.02 | 1.86-4.81 | 6631.02 | 4072.71-10575.81 | REGION |
| **Brazil** | 2.39 | 2.35-2.43 | 5078.61 | 5003.97-5155.63 | Country |
| **Paraguay** | 4.98 | 4.75-5.2 | 355.51 | 338.91-371 | Country |
| **North Africa and Middle East** | 2.62 | 1.7-3.91 | 16266.39 | 10553.09-24262.09 | SUPER-REGION |
| **North Africa and the Middle East** | 2.53 | 1.89-3.33 | 15720.37 | 11745.93-20699.26 | REGION |
| **Afghanistan** | 2.53 | 1.89-3.33 | 984.89 | 735.74-1296.31 | Region |
| **Algeria** | 1.57 | 1.44-1.7 | 688.09 | 631.32-744.53 | Country |
| **Bahrain** | 1.69 | 1.46-1.93 | 28.73 | 24.85-32.78 | Country |
| **Egypt** | 1.02 | 0.94-1.11 | 1048.21 | 958.11-1139.42 | Country |
| **Iran (Islamic Republic of)** | 2.14 | 2.1-2.18 | 1798.02 | 1759.93-1834.08 | Country |
| **Iraq** | 2.53 | 1.89-3.33 | 1017.63 | 760.2-1339.4 | Region |
| **Jordan** | 2.02 | 1.87-2.18 | 206.2 | 191.18-222.55 | Country |
| **Kuwait** | 2.53 | 2.42-2.65 | 108.04 | 103.08-113.19 | Country |
| **Lebanon** | 4.39 | 4.25-4.54 | 299.56 | 289.59-309.97 | Country |

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|---|---|---|---|---|---|
| **Libya** | 2.53 | 1.89-3.33 | 173.84 | 129.87-228.81 | Region |
| **Morocco** | 3.38 | 3.26-3.49 | 1246.39 | 1203.25-1289.28 | Country |
| **Palestine** | 1.62 | 0.99-2.45 | 82.88 | 50.53-124.86 | Country |
| **Oman** | 1.8 | 1.73-1.87 | 92.13 | 88.43-95.68 | Country |
| **Qatar** | 3.84 | 3.55-4.11 | 110.56 | 102.14-118.4 | Country |
| **Saudi Arabia** | 3.22 | 3.09-3.37 | 1119.56 | 1074.56-1171.66 | Country |
| **Sudan** | 1.29 | 1.15-1.45 | 565.33 | 503.51-635.75 | Country |
| **Syrian Arab Republic** | 1.24 | 1.18-1.31 | 217.6 | 206.69-229.37 | Country |
| **Sudan** | 1.29 | 1.15-1.45 | 565.33 | 503.51-635.75 | Country |
| **Tunisia** | 2.46 | 2.36-2.57 | 290.6 | 279.24-303.44 | Country |
| **Turkey** | 1.45 | 1.41-1.49 | 1223.24 | 1190.38-1257.65 | Country |
| **United Arab Emirates** | 12.03 | 11.04-13.11 | 1189.42 | 1092.44-1296.99 | Country |
| **Yemen** | 2.53 | 1.89-3.33 | 754.6 | 563.71-993.2 | Region |
| **South Asia** | 2.39 | 1.26-3.69 | 42895.16 | 22533.39-66212.43 | SUPER-REGION |
| **Asia, south** | 2.16 | 1.08-3.42 | 39136.11 | 21993.97-59996.16 | REGION |
| **Bangladesh** | 3.81 | 2.41-5.52 | 6296.57 | 5974.32-6628.47 | Country |
| **Bhutan** | 2.16 | 1.08-3.42 | 16.67 | 8.33-26.39 | Region |
| **India** | 1.18 | 0.74-1.73 | 16262.42 | 15984.16-16535.8 | Country |
| **Nepal** | 0.96 | 0.6-1.42 | 281.46 | 254.11-309.14 | Country |
| **Pakistan** | 2.35 | 1.5-3.44 | 5200.99 | 4996.85-5413.53 | Country |
| **South East Asia, east Asia, and Oceania** | 2.59 | 1.73-3.75 | 56929.33 | 37874.45-82271.85 | SUPER-REGION |
| **Asia, east** | 2.6 | 1.51-4.6 | 37483.01 | 21247.72-60558.39 | REGION |
| **China** | 2.38 | 1.33-4.56 | 32556.99 | 32268.13-32855.27 | Country |
| **Dem. People's Republic of Korea** | 2.6 | 1.51-4.6 | 670.24 | 389.26-1185.81 | Region |
| **Asia, South East** | 2.42 | 1.57-3.5 | 16599.42 | 10741.34-23988.69 | REGION |
| **Cambodia** | 2.42 | 1.57-3.5 | 404.6 | 262.49-585.16 | Region |
| **Indonesia** | 1.14 | 1.08-1.21 | 3131.41 | 2967.31-3305.14 | Country |
| **Lao People's Democratic Republic** | 1.97 | 1.66-2.31 | 143.6 | 120.42-168.11 | Country |
| **Malaysia** | 1.66 | 1.62-1.7 | 535.8 | 523.46-549.58 | Country |
| **Maldives** | 2.42 | 1.57-3.5 | 13.08 | 8.49-18.92 | Region |
| **Mauritius** | 2.42 | 1.57-3.5 | 30.77 | 19.96-44.51 | Region |
| **Myanmar** | 2.42 | 1.57-3.5 | 1316.71 | 854.23-1904.34 | Region |
| **Philippines** | 1.69 | 1.6-1.78 | 1847.86 | 1753.31-1946.24 | Country |
| **Seychelles** | 2.42 | 1.57-3.5 | 2.38 | 1.54-3.44 | Region |
| **Sri Lanka** | 2.89 | 2.74-3.05 | 617.95 | 585.17-652.99 | Country |
| **Thailand** | 4.87 | 4.79-4.94 | 3395.86 | 3344.17-3444.7 | Country |
| **Timor-Leste** | 2.42 | 1.57-3.5 | 31.91 | 20.7-46.15 | Region |
| **Vietnam** | 1.14 | 1.05-1.22 | 1108.52 | 1026.07-1190.2 | Country |
| **Oceania** | 3.07 | 1.79-5.4 | 343.02 | 194.44-552.28 | REGION |
| **Fiji** | 2.4 | 1.08-3.19 | 20.99 | 9.54-31.52 | Country |
| **Guam** | 3.07 | 1.79-5.4 | 5.18 | 3.02-9.11 | Region |
| **Kiribati** | 3.07 | 1.79-5.4 | 3.67 | 2.14-6.45 | Region |
| **Marshall Islands** | 3.07 | 1.79-5.4 | 1.71 | 1-3.01 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 3.07 | 1.79-5.4 | 3.53 | 2.06-6.21 | Region |
| **Papua New Guinea** | 3.07 | 1.79-5.4 | 274.67 | 160.15-483.14 | Region |
| **Samoa** | 8.35 | 3.95-10.95 | 16.15 | 7.66-23.64 | Country |
| **Solomon Islands** | 3.07 | 1.79-5.4 | 21.09 | 12.3-37.09 | Region |
| **Tonga** | 6.5 | 3.02-8.63 | 6.69 | 3.14-10.02 | Country |
| **Vanuatu** | 3.07 | 1.79-5.4 | 9.43 | 5.5-16.59 | Region |
| **Sub-Saharan Africa** | 3.35 | 2.41-4.55 | 36619.08 | 26270.41-49731.26 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 4.05 | 2.68-6.46 | 5518.91 | 3653.17-8815.49 | REGION |
| **Angola** | 4.5 | 4.23-4.78 | 1479.91 | 1388.39-1569.09 | Country |
| **Central African Republic** | 4.05 | 2.68-6.46 | 195.61 | 129.44-312 | Region |
| **Congo** | 6.53 | 5.16-8.18 | 419.41 | 380.14-458.35 | Country |
| **Democratic Republic of the Congo** | 5.62 | 5.26-6.02 | 5033.38 | 4711.91-5389.03 | Country |
| **Equatorial Guinea** | 4.05 | 2.68-6.46 | 56.82 | 37.6-90.63 | Region |
| **Gabon** | 4.59 | 4.29-4.89 | 102.22 | 95.49-108.96 | Country |
| **Sub-Saharan Africa, eastern** | 2.87 | 1.72-4.07 | 12282.75 | 7377.74-17413.9 | REGION |
| **Burundi** | 2.87 | 1.72-4.07 | 341.26 | 204.52-483.95 | Region |
| **Comoros** | 2.87 | 1.72-4.07 | 24.96 | 14.96-35.39 | Region |
| **Djibouti** | 2.87 | 1.72-4.07 | 28.36 | 16.99-40.21 | Region |
| **Eritrea** | 2.87 | 1.72-4.07 | 101.78 | 61-144.34 | Region |
| **Ethiopia** | 1.83 | 1.75-1.9 | 2101.66 | 2013.11-2183.44 | Country |
| **Kenya** | 5.23 | 5.06-5.41 | 2813.93 | 2722.04-2906.74 | Country |
| **Madagascar** | 1.8 | 1.52-2.1 | 497.04 | 420.85-580.72 | Country |
| **Malawi** | 2.87 | 1.72-4.07 | 549.03 | 329.04-778.59 | Region |
| **Mozambique** | 2.87 | 1.72-4.07 | 897.03 | 537.59-1272.1 | Region |
| **Rwanda** | 0.58 | 0.38-0.82 | 74.72 | 49.01-106.46 | Country |
| **Somalia** | 2.87 | 1.72-4.07 | 456.13 | 273.36-646.85 | Region |
| **South Sudan** | 2.87 | 1.72-4.07 | 321.26 | 192.53-455.58 | Region |
| **Uganda** | 2.87 | 1.72-4.07 | 1312.77 | 786.75-1861.66 | Region |
| **United Republic of Tanzania** | 3.02 | 2.33-3.88 | 1805.44 | 1391.51-2315.51 | Country |
| **Zambia** | 2.87 | 1.72-4.07 | 527.62 | 316.2-748.23 | Region |
| **Sub-Saharan Africa, southern** | 3.25 | 1.97-5.31 | 2677.49 | 1619.94-4376.49 | REGION |
| **Botswana** | 3.25 | 1.97-5.31 | 76.43 | 46.33-124.87 | Region |
| **Lesotho** | 3.25 | 1.97-5.31 | 69.62 | 42.2-113.75 | Region |
| **Namibia** | 3.25 | 1.97-5.31 | 82.58 | 50.06-134.92 | Region |
| **South Africa** | 3.91 | 3.82-3.99 | 2318.24 | 2262.74-2370.64 | Country |
| **Eswatini** | 3.25 | 1.97-5.31 | 37.71 | 22.86-61.6 | Region |
| **Zimbabwe** | 3.25 | 1.97-5.31 | 483.04 | 292.8-789.22 | Region |
| **Sub-Saharan Africa, western** | 3.59 | 2.46-5.07 | 15991.6 | 10953.37-22558 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 3.59 | 2.46-5.07 | 435.22 | 298.23-614.64 | Region |
| **Burkina Faso** | 3.59 | 2.46-5.07 | 750.43 | 514.22-1059.8 | Region |
| **Cote d'Ivoire** | 5.71 | 5.38-6.05 | 1507.02 | 1418.4-1598.5 | Country |
| **Cameroon** | 2.09 | 1.9-2.3 | 555.74 | 504.12-611.31 | Country |
| **Cabo Verde** | 3.59 | 2.46-5.07 | 19.96 | 13.68-28.19 | Region |
| **Chad** | 3.59 | 2.46-5.07 | 589.69 | 404.08-832.79 | Region |
| **Gambia** | 3.59 | 2.46-5.07 | 86.76 | 59.45-122.52 | Region |
| **Ghana** | 2.04 | 1.67-2.47 | 632.95 | 520.69-768.19 | Country |
| **Guinea** | 7.45 | 7.06-7.85 | 978.87 | 927.26-1029.75 | Country |
| **Guinea-Bissau** | 3.59 | 2.46-5.07 | 70.65 | 48.41-99.78 | Region |
| **Liberia** | 3.59 | 2.46-5.07 | 181.57 | 124.42-256.42 | Region |
| **Mali** | 3.59 | 2.46-5.07 | 727 | 498.17-1026.72 | Region |
| **Mauritania** | 3.59 | 2.46-5.07 | 166.92 | 114.38-235.74 | Region |
| **Niger** | 3.59 | 2.46-5.07 | 869.02 | 595.48-1227.28 | Region |
| **Nigeria** | 5.18 | 5.02-5.34 | 10685.28 | 10342.13-11017.73 | Country |
| **Sao Tome and Principe** | 3.59 | 2.46-5.07 | 7.87 | 5.39-11.11 | Region |
| **Senegal** | 3.59 | 2.46-5.07 | 601.11 | 411.9-848.92 | Region |
| **Sierra Leone** | 3.59 | 2.46-5.07 | 286.37 | 196.23-404.43 | Region |
| **Togo** | 3.48 | 3.23-3.78 | 288.4 | 266.69-312.85 | Country |

**Table S11. Estimated children period prevalence of AD diagnosed by physician/ dermatologist.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 3.96 | 2.81-5.27 | 102776.38 | 72974.71-136766.56 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 2.98 | 1.92-4.43 | 3101.92 | 2000.13-4615.34 | SUPER-REGION |
| **Asia, central** | 2.4 | 1.24-3.63 | 821.1 | 425.25-1240.13 | REGION |
| **Armenia** | 2.4 | 1.24-3.63 | 18.91 | 9.77-28.6 | Region |
| **Azerbaijan** | 2.4 | 1.24-3.63 | 72.52 | 37.47-109.68 | Region |
| **Georgia** | 1.46 | 1.39-1.53 | 14.91 | 14.15-15.68 | Country |
| **Kazakhstan** | 2.4 | 1.24-3.63 | 158.13 | 81.7-239.18 | Region |
| **Kyrgyzstan** | 1.06 | 0.98-1.13 | 27.79 | 25.79-29.82 | Country |
| **Mongolia** | 2.4 | 1.24-3.63 | 29.71 | 15.35-44.94 | Region |
| **Tajikistan** | 2.4 | 1.24-3.63 | 104.78 | 54.14-158.48 | Region |
| **Turkmenistan** | 2.4 | 1.24-3.63 | 56.2 | 29.04-85 | Region |
| **Uzbekistan** | 1.23 | 1.11-1.38 | 150.22 | 134.55-168.19 | Country |
| **Europe, central** | 3.02 | 2.12-4.28 | 693.51 | 487.54-983.67 | REGION |
| **Albania** | 0.76 | 0.69-0.83 | 5.28 | 4.81-5.79 | Country |
| **Bosnia and Herzegovina** | 3.87 | 3.49-4.29 | 24.8 | 22.36-27.5 | Country |
| **Bulgaria** | 3.02 | 2.12-4.28 | 40.32 | 28.31-57.15 | Region |
| **Croatia** | 2.78 | 2.65-2.91 | 22.08 | 21-23.14 | Country |
| **Czechia** | 3.02 | 2.12-4.28 | 65.68 | 46.11-93.09 | Region |
| **Hungary** | 3.63 | 3.48-3.79 | 68.26 | 65.43-71.27 | Country |
| **Montenegro** | 3.02 | 2.12-4.28 | 4.6 | 3.23-6.53 | Region |
| **Poland** | 3.86 | 3.77-3.95 | 289.54 | 282.77-296.2 | Country |
| **Romania** | 2.37 | 2.23-2.5 | 94.18 | 88.94-99.4 | Country |
| **Serbia** | 3.95 | 3.8-4.11 | 73.32 | 70.38-76.27 | Country |
| **Slovakia** | 7.98 | 5.96-10.22 | 88.71 | 66.27-113.69 | Country |
| **Slovenia** | 3.02 | 2.12-4.28 | 12.28 | 8.62-17.4 | Region |
| **North Macedonia** | 3.02 | 2.12-4.28 | 13.92 | 9.77-19.73 | Region |
| **Europe, eastern** | 2.74 | 1.53-4.07 | 1129.36 | 584.18-1705.71 | REGION |
| **Belarus** | 2.73 | 1.52-4.15 | 49.89 | 25.46-73.04 | Country |
| **Estonia** | 3.79 | 2.12-5.78 | 9.4 | 4.81-13.62 | Country |
| **Latvia** | 2.24 | 1.24-3.43 | 7.82 | 3.92-11.65 | Country |
| **Lithuania** | 0.89 | 0.49-1.39 | 4.28 | 2.1-6.47 | Country |
| **Republic of Moldova** | 2.74 | 1.53-4.07 | 23.11 | 12.9-34.32 | Region |
| **Russia** | 4.97 | 2.78-7.49 | 1487.1 | 767.4-2185.6 | Country |
| **Ukraine** | 1.99 | 1.1-3.06 | 157.14 | 79.48-230.45 | Country |
| **High income** | 4.67 | 3.39-6.21 | 11251.89 | 8174.52-14955.31 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 4.77 | 3.08-6.99 | 1502.43 | 970.71-2199.15 | REGION |
| **Brunei Darussalam** | 4.77 | 3.08-6.99 | 6.27 | 4.05-9.19 | Region |
| **Japan** | 6.3 | 6.26-6.34 | 1351.05 | 1341.73-1360.33 | Country |
| **Republic of Korea** | 3.6 | 3.58-3.62 | 320.8 | 318.83-322.98 | Country |
| **Singapore** | 4.63 | 4.52-4.75 | 45.63 | 44.37-46.88 | Country |
| **Australasia** | 4.92 | 3.46-7.06 | 377.97 | 265.44-541.22 | REGION |
| **Australia** | 9.53 | 9.39-9.67 | 613.88 | 604.47-623.24 | Country |
| **New Zealand** | 8.66 | 8.53-8.78 | 107.42 | 105.66-109.13 | Country |
| **Europe, western** | 4.93 | 3.89-6.22 | 4497.28 | 3551.54-5672.52 | REGION |
| **Austria** | 3.18 | 3.1-3.26 | 55.65 | 54.18-57.13 | Country |
| **Belgium** | 5.89 | 5.75-6.02 | 154.05 | 150.31-157.32 | Country |
| **Cyprus** | 2.51 | 2.38-2.65 | 6.88 | 6.49-7.27 | Country |
| **Denmark** | 6.36 | 6.24-6.48 | 81.5 | 79.94-83.16 | Country |
| **Finland** | 8.35 | 8.15-8.55 | 98.14 | 95.52-100.56 | Country |
| **France** | 7.38 | 7.24-7.51 | 1136.58 | 1115.42-1157.26 | Country |
| **Germany** | 7.03 | 6.99-7.08 | 1112.22 | 1104.71-1119.95 | Country |
| **Greece** | 2.04 | 1.95-2.14 | 39.77 | 37.83-41.72 | Country |
| **Iceland** | 15.51 | 13.49-17.51 | 13.61 | 11.81-15.43 | Country |
| **Ireland** | 4.95 | 4.73-5.16 | 66.34 | 63.51-69.16 | Country |
| **Israel** | 0.46 | 0.45-0.47 | 14.18 | 13.84-14.51 | Country |
| **Italy** | 5.58 | 5.54-5.62 | 598.37 | 593.78-603.1 | Country |
| **Luxembourg** | 4.93 | 3.89-6.22 | 6.5 | 5.13-8.2 | Region |
| **Malta** | 3.04 | 2.92-3.15 | 2.56 | 2.41-2.7 | Country |
| **Netherlands** | 9.28 | 9.07-9.5 | 344.05 | 335.8-352.48 | Country |
| **Norway** | 6.92 | 6.75-7.1 | 87.04 | 84.75-89.35 | Country |
| **Portugal** | 3.72 | 3.63-3.81 | 69.01 | 67.28-70.82 | Country |
| **Spain** | 7.45 | 7.39-7.52 | 668.72 | 663.17-674.55 | Country |
| **Sweden** | 9.53 | 9.41-9.64 | 221.12 | 218.34-223.85 | Country |
| **Switzerland** | 4.53 | 4.23-4.83 | 77.9 | 72.71-83.16 | Country |
| **United Kingdom** | 6.82 | 6.78-6.86 | 1070.06 | 1062.97-1076.73 | Country |
| **Latin America, southern** | 4.52 | 2.72-6.55 | 923.94 | 555.63-1338.6 | REGION |
| **Argentina** | 3.96 | 3.87-4.07 | 578.15 | 564.38-593.01 | Country |
| **Chile** | 5.35 | 5.25-5.46 | 263.23 | 258-268.37 | Country |
| **Uruguay** | 2.88 | 2.75-3.01 | 27.4 | 26.14-28.72 | Country |
| **North America, high income** | 5.01 | 3.22-7.8 | 4508.27 | 2893.09-7016.24 | REGION |
| **Canada** | 5.97 | 5.82-6.1 | 473.8 | 462.14-484.91 | Country |
| **United States of America** | 5.9 | 5.84-5.96 | 4843.7 | 4791.7-4890.68 | Country |
| **Latin America and Caribbean** | 4.51 | 3.24-6.1 | 8522.99 | 6114.99-11525.77 | SUPER-REGION |
| **Caribbean** | 4.69 | 3.03-6.98 | 617.14 | 382.9-889.15 | REGION |
| **Antigua and Barbuda** | 4.69 | 3.03-6.98 | 1.33 | 0.86-1.99 | Region |
| **Bahamas** | 4.69 | 3.03-6.98 | 5.51 | 3.56-8.2 | Region |
| **Barbados** | 3.42 | 2.21-5.79 | 2.08 | 1.95-2.2 | Country |

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|---|---|---|---|---|---|
| **Belize** | 4.69 | 3.03-6.98 | 7.31 | 4.73-10.89 | Region |
| **Cuba** | 7.05 | 4.68-11.64 | 156.95 | 148.7-165.82 | Country |
| **Dominican Republic** | 4.69 | 3.03-6.98 | 184.56 | 119.24-274.68 | Region |
| **Grenada** | 4.69 | 3.03-6.98 | 1.61 | 1.04-2.39 | Region |
| **Guyana** | 4.69 | 3.03-6.98 | 13.74 | 8.88-20.45 | Region |
| **Haiti** | 4.69 | 3.03-6.98 | 227.34 | 146.87-338.34 | Region |
| **Jamaica** | 4.69 | 3.03-6.98 | 43.68 | 28.22-65.01 | Region |
| **Puerto Rico** | 4.69 | 3.03-6.98 | 29.78 | 19.24-44.32 | Region |
| **Saint Lucia** | 4.69 | 3.03-6.98 | 2.16 | 1.4-3.22 | Region |
| **Saint Vincent and the Grenadines** | 4.69 | 3.03-6.98 | 1.57 | 1.01-2.33 | Region |
| **Suriname** | 4.69 | 3.03-6.98 | 9.71 | 6.27-14.45 | Region |
| **Trinidad and Tobago** | 2.57 | 1.67-4.41 | 8.61 | 7.87-9.35 | Country |
| **Virgin Island (US)** | 4.69 | 3.03-6.98 | 1.26 | 0.81-1.88 | Region |
| **Latin America, Andean** | 4.93 | 3.24-7.45 | 1066.31 | 700.94-1613.17 | REGION |
| **Bolivia** | 7.09 | 6.68-7.49 | 330.55 | 311.79-349.6 | Country |
| **Ecuador** | 5.04 | 4.88-5.21 | 322.1 | 311.51-333.16 | Country |
| **Peru** | 5.72 | 5.44-6.01 | 605.06 | 576.35-635.11 | Country |
| **Latin America, central** | 4.75 | 3.31-6.45 | 4279.27 | 2980.86-5811.97 | REGION |
| **Colombia** | 5.25 | 5.13-5.38 | 815.13 | 795.99-835.42 | Country |
| **Costa Rica** | 3.73 | 3.6-3.87 | 53.17 | 51.1-55.23 | Country |
| **El Salvador** | 2.85 | 2.66-3.07 | 65.96 | 61.44-71.07 | Country |
| **Guatemala** | 4.75 | 3.31-6.45 | 376.16 | 262.12-510.78 | Region |
| **Honduras** | 6.02 | 5.71-6.37 | 245.12 | 232.4-259.24 | Country |
| **Mexico** | 2.3 | 2.24-2.35 | 1022.1 | 998.66-1046.01 | Country |
| **Nicaragua** | 7.85 | 7.55-8.19 | 200.74 | 192.7-209.33 | Country |
| **Panama** | 6.83 | 6.61-7.04 | 102.52 | 99.16-105.72 | Country |
| **Venezuela (Bolivarian Republic of)** | 8.58 | 8.26-8.9 | 879.64 | 846.87-912.72 | Country |
| **Latin America, tropical** | 4.72 | 2.92-7.47 | 2970.49 | 1839.49-4705.53 | REGION |
| **Brazil** | 3.76 | 3.7-3.81 | 2263.57 | 2230.55-2298.74 | Country |
| **Paraguay** | 7.22 | 6.88-7.54 | 196.41 | 187.5-204.91 | Country |
| **North Africa and Middle East** | 3.8 | 2.47-5.65 | 9187.77 | 5974-13648.49 | SUPER-REGION |
| **North Africa and the Middle East** | 3.68 | 2.76-4.83 | 8883.97 | 6668.9-11676.41 | REGION |
| **Afghanistan** | 3.68 | 2.76-4.83 | 769.5 | 577.12-1009.97 | Region |
| **Algeria** | 2.31 | 2.12-2.5 | 379.34 | 348.25-410.22 | Country |
| **Bahrain** | 2.82 | 2.45-3.21 | 11.29 | 9.77-12.86 | Country |
| **Egypt** | 1.46 | 1.33-1.58 | 632.05 | 578.79-687.51 | Country |
| **Iran (Islamic Republic of)** | 3.3 | 3.23-3.36 | 867.34 | 849.7-884.52 | Country |
| **Iraq** | 3.68 | 2.76-4.83 | 711.01 | 533.26-933.2 | Region |
| **Jordan** | 2.85 | 2.65-3.07 | 125.34 | 116.29-135.34 | Country |
| **Kuwait** | 4.07 | 3.89-4.27 | 46.48 | 44.34-48.74 | Country |
| **Lebanon** | 6.58 | 6.38-6.8 | 150.55 | 145.69-155.37 | Country |

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|---|---|---|---|---|---|
| **Libya** | 3.68 | 2.76-4.83 | 90.94 | 68.2-119.36 | Region |
| **Morocco** | 5.03 | 4.87-5.21 | 646.78 | 625.1-668.62 | Country |
| **Palestine** | 2.21 | 1.36-3.32 | 54.65 | 33.63-82.19 | Country |
| **Oman** | 2.95 | 2.83-3.06 | 40.15 | 38.57-41.69 | Country |
| **Qatar** | 6.76 | 6.26-7.22 | 33.75 | 31.22-36.14 | Country |
| **Saudi Arabia** | 4.98 | 4.79-5.21 | 539.09 | 517.54-563.08 | Country |
| **Sudan** | 1.73 | 1.54-1.94 | 384.23 | 342.71-432.51 | Country |
| **Syrian Arab Republic** | 1.8 | 1.71-1.9 | 125.37 | 118.93-132.3 | Country |
| **Sudan** | 1.73 | 1.54-1.94 | 384.23 | 342.71-432.51 | Country |
| **Tunisia** | 3.79 | 3.64-3.96 | 138.52 | 133.21-144.46 | Country |
| **Turkey** | 2.22 | 2.17-2.29 | 601.06 | 585.63-617.56 | Country |
| **United Arab Emirates** | 19.74 | 18.21-21.39 | 366.2 | 337.7-396.72 | Country |
| **Yemen** | 3.68 | 2.76-4.83 | 544.04 | 408.03-714.05 | Region |
| **South Asia** | 3.53 | 1.87-5.43 | 23195.36 | 12272.31-35673.76 | SUPER-REGION |
| **Asia, south** | 3.19 | 1.61-5.05 | 21180.44 | 11957.64-32381.01 | REGION |
| **Bangladesh** | 5.62 | 3.58-8.09 | 3362.64 | 3190.54-3535.14 | Country |
| **Bhutan** | 3.19 | 1.61-5.05 | 8.35 | 4.22-13.22 | Region |
| **India** | 1.76 | 1.11-2.59 | 8604.87 | 8457.38-8748.66 | Country |
| **Nepal** | 1.39 | 0.87-2.05 | 161.58 | 145.95-177.39 | Country |
| **Pakistan** | 3.27 | 2.09-4.78 | 3243.37 | 3115.85-3373.43 | Country |
| **South East Asia, east Asia, and Oceania** | 4.13 | 2.76-5.93 | 24141.35 | 16114.12-34660.53 | SUPER-REGION |
| **Asia, east** | 4.25 | 2.49-7.42 | 14312.63 | 8139.64-22938.31 | REGION |
| **China** | 3.89 | 2.19-7.4 | 12434.95 | 12331.42-12532.8 | Country |
| **Dem. People's Republic of Korea** | 4.25 | 2.49-7.42 | 297.14 | 174.09-518.78 | Region |
| **Asia, South East** | 3.66 | 2.38-5.27 | 8392.01 | 5468.54-12100.58 | REGION |
| **Cambodia** | 3.66 | 2.38-5.27 | 242.68 | 157.81-349.44 | Region |
| **Indonesia** | 1.73 | 1.64-1.82 | 1627.85 | 1542.06-1718.9 | Country |
| **Lao People's Democratic Republic** | 2.81 | 2.36-3.3 | 85.33 | 71.73-99.71 | Country |
| **Malaysia** | 2.55 | 2.49-2.61 | 261.49 | 255.62-268.18 | Country |
| **Maldives** | 3.66 | 2.38-5.27 | 4.84 | 3.15-6.97 | Region |
| **Mauritius** | 3.66 | 2.38-5.27 | 11.27 | 7.33-16.23 | Region |
| **Myanmar** | 3.66 | 2.38-5.27 | 693.13 | 450.72-998.03 | Region |
| **Philippines** | 2.44 | 2.32-2.57 | 1059.32 | 1006.28-1115.09 | Country |
| **Seychelles** | 3.66 | 2.38-5.27 | 1.09 | 0.71-1.57 | Region |
| **Sri Lanka** | 4.42 | 4.18-4.66 | 297.54 | 281.49-314.34 | Country |
| **Thailand** | 7.89 | 7.78-7.99 | 1256.65 | 1239.01-1273.44 | Country |
| **Timor-Leste** | 3.66 | 2.38-5.27 | 23.37 | 15.2-33.65 | Region |
| **Vietnam** | 1.78 | 1.65-1.91 | 517.02 | 479.33-555.17 | Country |
| **Oceania** | 4.26 | 2.5-7.44 | 214.14 | 121.34-343.15 | REGION |
| **Fiji** | 3.53 | 1.6-4.68 | 11.53 | 5.23-17.17 | Country |
| **Guam** | 4.26 | 2.5-7.44 | 2.31 | 1.35-4.03 | Region |
| **Kiribati** | 4.26 | 2.5-7.44 | 2.26 | 1.33-3.95 | Region |
| **Marshall Islands** | 4.26 | 2.5-7.44 | 1.2 | 0.7-2.1 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 4.26 | 2.5-7.44 | 2.02 | 1.18-3.52 | Region |
| **Papua New Guinea** | 4.26 | 2.5-7.44 | 173.31 | 101.71-302.68 | Region |
| **Samoa** | 11.27 | 5.39-14.72 | 10.23 | 4.96-14.88 | Country |
| **Solomon Islands** | 4.26 | 2.5-7.44 | 14.7 | 8.62-25.67 | Region |
| **Tonga** | 8.88 | 4.17-11.72 | 4.17 | 1.96-6.2 | Country |
| **Vanuatu** | 4.26 | 2.5-7.44 | 6.3 | 3.7-11 | Region |
| **Sub-Saharan Africa** | 4.41 | 3.17-5.97 | 25435.9 | 18290.55-34468.74 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 5.2 | 3.45-8.27 | 3976.07 | 2636.27-6318.5 | REGION |
| **Angola** | 5.74 | 5.39-6.08 | 1078.56 | 1011.04-1144.73 | Country |
| **Central African Republic** | 5.2 | 3.45-8.27 | 140.41 | 93.16-223.31 | Region |
| **Congo** | 8.58 | 6.8-10.72 | 284.37 | 257.93-310.05 | Country |
| **Democratic Republic of the Congo** | 7.19 | 6.73-7.69 | 3629.41 | 3398.48-3883.82 | Country |
| **Equatorial Guinea** | 5.2 | 3.45-8.27 | 33.12 | 21.98-52.68 | Region |
| **Gabon** | 6.31 | 5.9-6.72 | 64.57 | 60.21-68.76 | Country |
| **Sub-Saharan Africa, eastern** | 3.77 | 2.27-5.33 | 8560.61 | 5150.61-12108.61 | REGION |
| **Burundi** | 3.77 | 2.27-5.33 | 248.73 | 149.77-351.66 | Region |
| **Comoros** | 3.77 | 2.27-5.33 | 16.17 | 9.74-22.86 | Region |
| **Djibouti** | 3.77 | 2.27-5.33 | 14.19 | 8.54-20.06 | Region |
| **Eritrea** | 3.77 | 2.27-5.33 | 69.08 | 41.6-97.67 | Region |
| **Ethiopia** | 2.44 | 2.33-2.53 | 1435.21 | 1375.2-1491.75 | Country |
| **Kenya** | 6.99 | 6.77-7.22 | 1870.78 | 1811.15-1932.51 | Country |
| **Madagascar** | 2.4 | 2.03-2.8 | 338.33 | 286.67-395.12 | Country |
| **Malawi** | 3.77 | 2.27-5.33 | 392.1 | 236.09-554.35 | Region |
| **Mozambique** | 3.77 | 2.27-5.33 | 652.71 | 393.01-922.8 | Region |
| **Rwanda** | 0.78 | 0.51-1.11 | 50.32 | 32.91-71.62 | Country |
| **Somalia** | 3.77 | 2.27-5.33 | 345.07 | 207.77-487.85 | Region |
| **South Sudan** | 3.77 | 2.27-5.33 | 219.7 | 132.29-310.61 | Region |
| **Uganda** | 3.77 | 2.27-5.33 | 991.71 | 597.13-1402.08 | Region |
| **United Republic of Tanzania** | 3.94 | 3.04-5.04 | 1277.6 | 985.88-1636.54 | Country |
| **Zambia** | 3.77 | 2.27-5.33 | 385.06 | 231.85-544.39 | Region |
| **Sub-Saharan Africa, southern** | 4.64 | 2.83-7.54 | 1555.95 | 947.72-2528.2 | REGION |
| **Botswana** | 4.64 | 2.83-7.54 | 46.91 | 28.61-76.23 | Region |
| **Lesotho** | 4.64 | 2.83-7.54 | 42.11 | 25.68-68.43 | Region |
| **Namibia** | 4.64 | 2.83-7.54 | 54.8 | 33.42-89.04 | Region |
| **South Africa** | 5.72 | 5.59-5.85 | 1258.3 | 1228.9-1285.09 | Country |
| **Eswatini** | 4.64 | 2.83-7.54 | 26.15 | 15.95-42.5 | Region |
| **Zimbabwe** | 4.64 | 2.83-7.54 | 365.08 | 222.67-593.26 | Region |
| **Sub-Saharan Africa, western** | 4.69 | 3.21-6.59 | 11247.72 | 7716.74-15817.45 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 4.69 | 3.21-6.59 | 299.05 | 204.68-420.21 | Region |
| **Burkina Faso** | 4.69 | 3.21-6.59 | 543.18 | 371.77-763.24 | Region |
| **Cote d'Ivoire** | 7.49 | 7.05-7.93 | 1038.3 | 977.21-1099.22 | Country |
| **Cameroon** | 2.76 | 2.51-3.04 | 387.09 | 351.31-425.48 | Country |
| **Cabo Verde** | 4.69 | 3.21-6.59 | 9.62 | 6.58-13.51 | Region |
| **Chad** | 4.69 | 3.21-6.59 | 445.14 | 304.67-625.48 | Region |
| **Gambia** | 4.69 | 3.21-6.59 | 61.87 | 42.35-86.93 | Region |
| **Ghana** | 2.79 | 2.29-3.39 | 409.62 | 336.24-497.96 | Country |
| **Guinea** | 9.59 | 9.1-10.1 | 687.48 | 651.98-723.55 | Country |
| **Guinea-Bissau** | 4.69 | 3.21-6.59 | 48.42 | 33.14-68.03 | Region |
| **Liberia** | 4.69 | 3.21-6.59 | 121.65 | 83.26-170.93 | Region |
| **Mali** | 4.69 | 3.21-6.59 | 552 | 377.81-775.63 | Region |
| **Mauritania** | 4.69 | 3.21-6.59 | 108.59 | 74.32-152.58 | Region |
| **Niger** | 4.69 | 3.21-6.59 | 687.51 | 470.56-966.04 | Region |
| **Nigeria** | 6.73 | 6.51-6.94 | 7511.18 | 7263.91-7740.54 | Country |
| **Sao Tome and Principe** | 4.69 | 3.21-6.59 | 5.46 | 3.74-7.68 | Region |
| **Senegal** | 4.69 | 3.21-6.59 | 417.24 | 285.57-586.27 | Region |
| **Sierra Leone** | 4.69 | 3.21-6.59 | 191.97 | 131.39-269.73 | Region |
| **Togo** | 4.62 | 4.28-5.01 | 196.74 | 182.26-213.46 | Country |

**Table S12. Estimated adult period prevalence of AD diagnosed by physician/ dermatologist.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 1.95 | 1.37-2.61 | 101271.22 | 70974.54-135911.24 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 1.47 | 0.94-2.2 | 4590.5 | 2936.11-6873.44 | SUPER-REGION |
| **Asia, central** | 1.18 | 0.61-1.79 | 711.63 | 368.74-1084.83 | REGION |
| **Armenia** | 1.18 | 0.61-1.79 | 25.67 | 13.27-38.94 | Region |
| **Azerbaijan** | 1.18 | 0.61-1.79 | 83.99 | 43.42-127.4 | Region |
| **Georgia** | 0.71 | 0.68-0.75 | 21.09 | 20.03-22.23 | Country |
| **Kazakhstan** | 1.18 | 0.61-1.79 | 143.81 | 74.34-218.16 | Region |
| **Kyrgyzstan** | 0.51 | 0.48-0.55 | 19.96 | 18.54-21.42 | Country |
| **Mongolia** | 1.18 | 0.61-1.79 | 24.08 | 12.45-36.52 | Region |
| **Tajikistan** | 1.18 | 0.61-1.79 | 61.03 | 31.55-92.57 | Region |
| **Turkmenistan** | 1.18 | 0.61-1.79 | 43.54 | 22.51-66.04 | Region |
| **Uzbekistan** | 0.6 | 0.54-0.67 | 127.45 | 113.98-142.39 | Country |
| **Europe, central** | 1.48 | 1.03-2.12 | 1342.9 | 936.63-1919.19 | REGION |
| **Albania** | 0.37 | 0.33-0.4 | 8.02 | 7.28-8.84 | Country |
| **Bosnia and Herzegovina** | 1.9 | 1.71-2.12 | 50.24 | 45.21-55.87 | Country |
| **Bulgaria** | 1.48 | 1.03-2.12 | 83.07 | 57.81-119 | Region |
| **Croatia** | 1.36 | 1.3-1.43 | 45.16 | 42.86-47.35 | Country |
| **Czechia** | 1.48 | 1.03-2.12 | 126.3 | 87.9-180.91 | Region |
| **Hungary** | 1.79 | 1.72-1.87 | 139.47 | 133.67-145.99 | Country |
| **Montenegro** | 1.48 | 1.03-2.12 | 7.04 | 4.9-10.08 | Region |
| **Poland** | 1.9 | 1.86-1.95 | 577.69 | 563.58-591.61 | Country |
| **Romania** | 1.16 | 1.09-1.23 | 176.48 | 166.13-187.33 | Country |
| **Serbia** | 1.95 | 1.87-2.03 | 134.06 | 128.61-139.8 | Country |
| **Slovakia** | 4.02 | 2.96-5.21 | 174.75 | 128.91-226.37 | Country |
| **Slovenia** | 1.48 | 1.03-2.12 | 24.75 | 17.22-35.45 | Region |
| **North Macedonia** | 1.48 | 1.03-2.12 | 24.01 | 16.71-34.39 | Region |
| **Europe, eastern** | 1.35 | 0.75-2.01 | 1914.99 | 990.32-2921.1 | REGION |
| **Belarus** | 1.35 | 0.74-2.06 | 87.2 | 43.84-127.95 | Country |
| **Estonia** | 1.87 | 1.03-2.87 | 17.24 | 8.76-25.31 | Country |
| **Latvia** | 1.1 | 0.61-1.7 | 14.42 | 7.22-21.44 | Country |
| **Lithuania** | 0.44 | 0.24-0.68 | 8.35 | 4.12-12.66 | Country |
| **Republic of Moldova** | 1.35 | 0.75-2.01 | 43.07 | 23.93-64.13 | Region |
| **Russia** | 2.48 | 1.37-3.78 | 2444.42 | 1252.19-3632.08 | Country |
| **Ukraine** | 0.98 | 0.54-1.51 | 298.17 | 150.54-438.98 | Country |
| **High income** | 2.31 | 1.68-3.1 | 19495.43 | 14154.2-26135.21 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 2.36 | 1.51-3.49 | 3603.66 | 2303-5329.55 | REGION |
| **Brunei Darussalam** | 2.36 | 1.51-3.49 | 7.22 | 4.62-10.68 | Region |
| **Japan** | 3.14 | 3.11-3.17 | 3298.16 | 3264.87-3331.59 | Country |
| **Republic of Korea** | 1.77 | 1.75-1.78 | 748.88 | 742.53-755.32 | Country |
| **Singapore** | 2.28 | 2.22-2.34 | 110.76 | 107.62-113.98 | Country |
| **Australasia** | 2.44 | 1.7-3.54 | 551.49 | 384.69-800.54 | REGION |
| **Australia** | 4.83 | 4.75-4.91 | 920.87 | 904.99-936.32 | Country |
| **New Zealand** | 4.38 | 4.3-4.45 | 156.69 | 153.99-159.43 | Country |
| **Europe, western** | 2.44 | 1.92-3.11 | 8371.03 | 6580.61-10646.87 | REGION |
| **Austria** | 1.56 | 1.52-1.6 | 113.13 | 110.09-116.16 | Country |
| **Belgium** | 2.93 | 2.86-2.99 | 262.91 | 256.49-268.84 | Country |
| **Cyprus** | 1.23 | 1.16-1.3 | 11.44 | 10.8-12.12 | Country |
| **Denmark** | 3.17 | 3.1-3.23 | 142.82 | 139.85-146.02 | Country |
| **Finland** | 4.21 | 4.09-4.31 | 183.65 | 178.52-188.54 | Country |
| **France** | 3.7 | 3.62-3.78 | 1846.01 | 1806.9-1884.57 | Country |
| **Germany** | 3.52 | 3.49-3.55 | 2393.48 | 2373.24-2415.75 | Country |
| **Greece** | 0.99 | 0.95-1.04 | 84.23 | 80.05-88.55 | Country |
| **Iceland** | 8.12 | 6.97-9.27 | 20.58 | 17.59-23.56 | Country |
| **Ireland** | 2.45 | 2.34-2.55 | 88.02 | 84.12-92 | Country |
| **Israel** | 0.22 | 0.22-0.23 | 12.42 | 12.09-12.74 | Country |
| **Italy** | 2.77 | 2.74-2.8 | 1378.85 | 1364.83-1393.58 | Country |
| **Luxembourg** | 2.44 | 1.92-3.11 | 12.06 | 9.49-15.37 | Region |
| **Malta** | 1.49 | 1.43-1.55 | 5.32 | 5.09-5.57 | Country |
| **Netherlands** | 4.7 | 4.58-4.82 | 630.8 | 615.14-647.98 | Country |
| **Norway** | 3.45 | 3.36-3.55 | 143.8 | 139.6-147.92 | Country |
| **Portugal** | 1.83 | 1.79-1.88 | 152.95 | 149.08-157.15 | Country |
| **Spain** | 3.74 | 3.7-3.78 | 1413.33 | 1398.04-1429.04 | Country |
| **Sweden** | 4.83 | 4.76-4.89 | 375.28 | 369.67-380.76 | Country |
| **Switzerland** | 2.23 | 2.08-2.39 | 154.95 | 144.12-165.65 | Country |
| **United Kingdom** | 3.41 | 3.38-3.44 | 1778.74 | 1764.45-1793.45 | Country |
| **Latin America, southern** | 2.23 | 1.33-3.28 | 1056.92 | 628.9-1551.49 | REGION |
| **Argentina** | 1.95 | 1.9-2 | 597.97 | 583.05-613.93 | Country |
| **Chile** | 2.65 | 2.59-2.7 | 376.15 | 367.87-383.95 | Country |
| **Uruguay** | 1.41 | 1.35-1.48 | 35.56 | 33.89-37.3 | Country |
| **North America, high income** | 2.48 | 1.58-3.93 | 6916.51 | 4408.81-10947 | REGION |
| **Canada** | 2.97 | 2.89-3.04 | 883.58 | 860.88-904.41 | Country |
| **United States of America** | 2.93 | 2.9-2.97 | 7302.83 | 7224.28-7383.21 | Country |
| **Latin America and Caribbean** | 2.23 | 1.58-3.04 | 8819.66 | 6262.22-12045.99 | SUPER-REGION |
| **Caribbean** | 2.32 | 1.48-3.5 | 637.8 | 392.99-926.67 | REGION |
| **Antigua and Barbuda** | 2.32 | 1.48-3.5 | 1.61 | 1.03-2.43 | Region |
| **Bahamas** | 2.32 | 1.48-3.5 | 6.4 | 4.08-9.65 | Region |
| **Barbados** | 1.68 | 1.08-2.88 | 3.34 | 3.16-3.54 | Country |

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|---|---|---|---|---|---|
| **Belize** | 2.32 | 1.48-3.5 | 5.61 | 3.58-8.46 | Region |
| **Cuba** | 3.53 | 2.3-5.95 | 284.01 | 268.54-300.03 | Country |
| **Dominican Republic** | 2.32 | 1.48-3.5 | 160.32 | 102.27-241.86 | Region |
| **Grenada** | 2.32 | 1.48-3.5 | 1.82 | 1.16-2.74 | Region |
| **Guyana** | 2.32 | 1.48-3.5 | 11.45 | 7.3-17.27 | Region |
| **Haiti** | 2.32 | 1.48-3.5 | 152.07 | 97.01-229.42 | Region |
| **Jamaica** | 2.32 | 1.48-3.5 | 47.09 | 30.04-71.03 | Region |
| **Puerto Rico** | 2.32 | 1.48-3.5 | 51.6 | 32.92-77.85 | Region |
| **Saint Lucia** | 2.32 | 1.48-3.5 | 3.19 | 2.03-4.81 | Region |
| **Saint Vincent and the Grenadines** | 2.32 | 1.48-3.5 | 1.8 | 1.15-2.71 | Region |
| **Suriname** | 2.32 | 1.48-3.5 | 8.81 | 5.62-13.28 | Region |
| **Trinidad and Tobago** | 1.26 | 0.81-2.18 | 11.67 | 10.65-12.7 | Country |
| **Virgin Island (US)** | 2.32 | 1.48-3.5 | 1.8 | 1.15-2.71 | Region |
| **Latin America, Andean** | 2.44 | 1.59-3.75 | 990.1 | 646.16-1526.74 | REGION |
| **Bolivia** | 3.54 | 3.34-3.76 | 248.4 | 234.04-263.58 | Country |
| **Ecuador** | 2.49 | 2.41-2.58 | 280.17 | 270.75-290.06 | Country |
| **Peru** | 2.83 | 2.69-2.98 | 634.06 | 602.33-667.68 | Country |
| **Latin America, central** | 2.35 | 1.63-3.23 | 3962.67 | 2741.01-5434 | REGION |
| **Colombia** | 2.6 | 2.54-2.67 | 919.86 | 897.81-944.16 | Country |
| **Costa Rica** | 1.83 | 1.76-1.91 | 67.25 | 64.33-70.06 | Country |
| **El Salvador** | 1.4 | 1.31-1.51 | 58.6 | 54.41-63.11 | Country |
| **Guatemala** | 2.35 | 1.63-3.23 | 234.91 | 162.94-322.87 | Region |
| **Honduras** | 2.99 | 2.84-3.17 | 174.68 | 165.42-184.93 | Country |
| **Mexico** | 1.12 | 1.1-1.15 | 946.62 | 924.89-970.78 | Country |
| **Nicaragua** | 3.95 | 3.78-4.13 | 160.71 | 153.71-167.97 | Country |
| **Panama** | 3.41 | 3.29-3.52 | 95.95 | 92.69-99.35 | Country |
| **Venezuela (Bolivarian Republic of)** | 4.33 | 4.15-4.51 | 787.63 | 754.68-820.46 | Country |
| **Latin America, tropical** | 2.34 | 1.43-3.75 | 3660.6 | 2230.32-5869.31 | REGION |
| **Brazil** | 1.85 | 1.82-1.88 | 2815.08 | 2768.46-2860.58 | Country |
| **Paraguay** | 3.61 | 3.43-3.77 | 159.11 | 151.37-166.39 | Country |
| **North Africa and Middle East** | 1.86 | 1.2-2.8 | 7078.74 | 4570.01-10613.32 | SUPER-REGION |
| **North Africa and the Middle East** | 1.8 | 1.34-2.38 | 6836.5 | 5087.79-9033.74 | REGION |
| **Afghanistan** | 1.8 | 1.34-2.38 | 324.32 | 241.44-428.83 | Region |
| **Algeria** | 1.13 | 1.03-1.22 | 308.78 | 282.79-333.99 | Country |
| **Bahrain** | 1.34 | 1.16-1.53 | 17.44 | 15.07-19.97 | Country |
| **Egypt** | 0.71 | 0.65-0.77 | 416.19 | 380.55-453.47 | Country |
| **Iran (Islamic Republic of)** | 1.61 | 1.58-1.65 | 930.71 | 910.07-950.96 | Country |
| **Iraq** | 1.8 | 1.34-2.38 | 376.22 | 280.08-497.45 | Region |
| **Jordan** | 1.39 | 1.29-1.5 | 80.88 | 74.77-87.51 | Country |
| **Kuwait** | 1.97 | 1.88-2.07 | 61.56 | 58.71-64.61 | Country |
| **Lebanon** | 3.28 | 3.17-3.4 | 149.02 | 143.99-154.37 | Country |

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|---|---|---|---|---|---|
| **Libya** | 1.8 | 1.34-2.38 | 79.2 | 58.96-104.72 | Region |
| **Morocco** | 2.49 | 2.4-2.58 | 599.64 | 577.94-621.09 | Country |
| **Palestine** | 1.07 | 0.65-1.62 | 28.25 | 17.13-42.6 | Country |
| **Oman** | 1.39 | 1.33-1.45 | 51.99 | 49.86-54.05 | Country |
| **Qatar** | 3.22 | 2.98-3.45 | 76.82 | 70.86-82.5 | Country |
| **Saudi Arabia** | 2.42 | 2.32-2.53 | 580.5 | 556.6-607.15 | Country |
| **Sudan** | 0.84 | 0.75-0.94 | 181.13 | 161.33-203.52 | Country |
| **Syrian Arab Republic** | 0.88 | 0.83-0.92 | 92.25 | 87.51-97.52 | Country |
| **Sudan** | 0.84 | 0.75-0.94 | 181.13 | 161.33-203.52 | Country |
| **Tunisia** | 1.86 | 1.79-1.95 | 152.1 | 146.1-159.01 | Country |
| **Turkey** | 1.09 | 1.05-1.12 | 622.21 | 603.98-640.53 | Country |
| **United Arab Emirates** | 10.24 | 9.38-11.19 | 823.24 | 755.14-899.57 | Country |
| **Yemen** | 1.8 | 1.34-2.38 | 270.76 | 201.57-358 | Region |
| **South Asia** | 1.73 | 0.9-2.68 | 19699.96 | 10260.29-30462.72 | SUPER-REGION |
| **Asia, south** | 1.56 | 0.78-2.49 | 17955.82 | 10034.38-27658.37 | REGION |
| **Bangladesh** | 2.79 | 1.76-4.06 | 2933.98 | 2783.51-3087.28 | Country |
| **Bhutan** | 1.56 | 0.78-2.49 | 7.95 | 3.98-12.69 | Region |
| **India** | 0.86 | 0.54-1.27 | 7657.64 | 7514.38-7797.74 | Country |
| **Nepal** | 0.68 | 0.42-1.01 | 119.9 | 108.05-131.75 | Country |
| **Pakistan** | 1.6 | 1.02-2.35 | 1957.67 | 1879.13-2041.15 | Country |
| **South East Asia, east Asia, and Oceania** | 2.04 | 1.35-2.96 | 32788.14 | 21760.94-47601.26 | SUPER-REGION |
| **Asia, east** | 2.1 | 1.22-3.74 | 23170.55 | 13108.2-37586.85 | REGION |
| **China** | 1.92 | 1.06-3.7 | 20122.16 | 19904.22-20331.34 | Country |
| **Dem. People's Republic of Korea** | 2.1 | 1.22-3.74 | 394.53 | 229.2-702.63 | Region |
| **Asia, South East** | 1.8 | 1.16-2.61 | 8207.51 | 5297.38-11922.08 | REGION |
| **Cambodia** | 1.8 | 1.16-2.61 | 181.59 | 117.02-263.3 | Region |
| **Indonesia** | 0.84 | 0.79-0.89 | 1503.6 | 1421.83-1587.25 | Country |
| **Lao People's Democratic Republic** | 1.37 | 1.15-1.61 | 58.29 | 48.89-68.29 | Country |
| **Malaysia** | 1.24 | 1.21-1.27 | 274.33 | 267.63-281.29 | Country |
| **Maldives** | 1.8 | 1.16-2.61 | 7.35 | 4.74-10.66 | Region |
| **Mauritius** | 1.8 | 1.16-2.61 | 17.34 | 11.18-25.15 | Region |
| **Myanmar** | 1.8 | 1.16-2.61 | 638.49 | 411.47-925.81 | Region |
| **Philippines** | 1.19 | 1.13-1.26 | 788.58 | 747.4-831.49 | Country |
| **Seychelles** | 1.8 | 1.16-2.61 | 1.23 | 0.8-1.79 | Region |
| **Sri Lanka** | 2.18 | 2.07-2.31 | 320.44 | 303.09-338.88 | Country |
| **Thailand** | 3.97 | 3.91-4.03 | 2139.25 | 2105.25-2172.12 | Country |
| **Timor-Leste** | 1.8 | 1.16-2.61 | 12.24 | 7.89-17.74 | Region |
| **Vietnam** | 0.87 | 0.8-0.93 | 591.53 | 546.07-636.39 | Country |
| **Oceania** | 2.1 | 1.22-3.74 | 128.89 | 73.19-208.57 | REGION |
| **Fiji** | 1.73 | 0.77-2.31 | 9.47 | 4.27-14.2 | Country |
| **Guam** | 2.1 | 1.22-3.74 | 2.41 | 1.4-4.29 | Region |
| **Kiribati** | 2.1 | 1.22-3.74 | 1.39 | 0.81-2.48 | Region |
| **Marshall Islands** | 2.1 | 1.22-3.74 | 0.58 | 0.34-1.03 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 2.1 | 1.22-3.74 | 1.42 | 0.83-2.53 | Region |
| **Papua New Guinea** | 2.1 | 1.22-3.74 | 102.45 | 59.52-182.47 | Region |
| **Samoa** | 5.77 | 2.67-7.64 | 5.92 | 2.79-8.82 | Country |
| **Solomon Islands** | 2.1 | 1.22-3.74 | 7.18 | 4.17-12.79 | Region |
| **Tonga** | 4.51 | 2.06-6.03 | 2.53 | 1.17-3.86 | Country |
| **Vanuatu** | 2.1 | 1.22-3.74 | 3.35 | 1.94-5.96 | Region |
| **Sub-Saharan Africa** | 2.17 | 1.55-2.97 | 11183.36 | 7966.4-15261.15 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 2.57 | 1.69-4.16 | 1542.92 | 1015.7-2494.04 | REGION |
| **Angola** | 2.85 | 2.67-3.03 | 401.39 | 376.18-426.65 | Country |
| **Central African Republic** | 2.57 | 1.69-4.16 | 54.73 | 35.99-88.59 | Region |
| **Congo** | 4.33 | 3.39-5.47 | 135.06 | 122.3-147.91 | Country |
| **Democratic Republic of the Congo** | 3.59 | 3.36-3.85 | 1404.03 | 1312-1504.41 | Country |
| **Equatorial Guinea** | 2.57 | 1.69-4.16 | 19.69 | 12.95-31.87 | Region |
| **Gabon** | 3.13 | 2.91-3.34 | 37.67 | 35.12-40.24 | Country |
| **Sub-Saharan Africa, eastern** | 1.85 | 1.11-2.64 | 3722.23 | 2226.03-5297.68 | REGION |
| **Burundi** | 1.85 | 1.11-2.64 | 97.92 | 58.75-139.74 | Region |
| **Comoros** | 1.85 | 1.11-2.64 | 8.15 | 4.89-11.63 | Region |
| **Djibouti** | 1.85 | 1.11-2.64 | 11.31 | 6.79-16.15 | Region |
| **Eritrea** | 1.85 | 1.11-2.64 | 31.71 | 19.03-45.25 | Region |
| **Ethiopia** | 1.19 | 1.14-1.24 | 666.5 | 637.08-693.64 | Country |
| **Kenya** | 3.49 | 3.37-3.61 | 943.2 | 910.6-975.48 | Country |
| **Madagascar** | 1.17 | 0.99-1.37 | 158.74 | 134.33-185.52 | Country |
| **Malawi** | 1.85 | 1.11-2.64 | 161.49 | 96.9-230.46 | Region |
| **Mozambique** | 1.85 | 1.11-2.64 | 257.93 | 154.76-368.07 | Region |
| **Rwanda** | 0.38 | 0.25-0.54 | 24.41 | 15.89-34.86 | Country |
| **Somalia** | 1.85 | 1.11-2.64 | 124.69 | 74.82-177.94 | Region |
| **South Sudan** | 1.85 | 1.11-2.64 | 99.27 | 59.56-141.67 | Region |
| **Uganda** | 1.85 | 1.11-2.64 | 359.56 | 215.74-513.1 | Region |
| **United Republic of Tanzania** | 1.93 | 1.48-2.49 | 527.88 | 405.12-678.93 | Country |
| **Zambia** | 1.85 | 1.11-2.64 | 151.15 | 90.69-215.69 | Region |
| **Sub-Saharan Africa, southern** | 2.3 | 1.38-3.79 | 1121.58 | 674.31-1851.66 | REGION |
| **Botswana** | 2.3 | 1.38-3.79 | 30.83 | 18.5-50.81 | Region |
| **Lesotho** | 2.3 | 1.38-3.79 | 28.4 | 17.04-46.79 | Region |
| **Namibia** | 2.3 | 1.38-3.79 | 31.28 | 18.77-51.54 | Region |
| **South Africa** | 2.84 | 2.77-2.91 | 1059.98 | 1032.76-1083.92 | Country |
| **Eswatini** | 2.3 | 1.38-3.79 | 13.72 | 8.23-22.61 | Region |
| **Zimbabwe** | 2.3 | 1.38-3.79 | 160.88 | 96.53-265.1 | Region |
| **Sub-Saharan Africa, western** | 2.31 | 1.58-3.28 | 4744 | 3241.7-6727.59 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 2.31 | 1.58-3.28 | 132.75 | 90.8-188.49 | Region |
| **Burkina Faso** | 2.31 | 1.58-3.28 | 215.33 | 147.28-305.75 | Region |
| **Cote d'Ivoire** | 3.74 | 3.52-3.97 | 468.76 | 440.72-497.2 | Country |
| **Cameroon** | 1.35 | 1.22-1.48 | 168.68 | 152.79-185.09 | Country |
| **Cabo Verde** | 2.31 | 1.58-3.28 | 8.11 | 5.55-11.51 | Region |
| **Chad** | 2.31 | 1.58-3.28 | 160.19 | 109.57-227.45 | Region |
| **Gambia** | 2.31 | 1.58-3.28 | 25.35 | 17.34-36 | Region |
| **Ghana** | 1.36 | 1.12-1.66 | 223.36 | 183.05-272.08 | Country |
| **Guinea** | 4.88 | 4.61-5.16 | 291.42 | 275.44-307.19 | Country |
| **Guinea-Bissau** | 2.31 | 1.58-3.28 | 21.61 | 14.78-30.69 | Region |
| **Liberia** | 2.31 | 1.58-3.28 | 56.91 | 38.93-80.81 | Region |
| **Mali** | 2.31 | 1.58-3.28 | 195.91 | 134-278.18 | Region |
| **Mauritania** | 2.31 | 1.58-3.28 | 53.92 | 36.88-76.56 | Region |
| **Niger** | 2.31 | 1.58-3.28 | 220.55 | 150.85-313.16 | Region |
| **Nigeria** | 3.36 | 3.25-3.47 | 3174.17 | 3069.5-3280.25 | Country |
| **Sao Tome and Principe** | 2.31 | 1.58-3.28 | 2.37 | 1.62-3.37 | Region |
| **Senegal** | 2.31 | 1.58-3.28 | 181.28 | 123.99-257.4 | Region |
| **Sierra Leone** | 2.31 | 1.58-3.28 | 89.72 | 61.37-127.39 | Region |
| **Togo** | 2.28 | 2.11-2.47 | 91.67 | 84.83-99.73 | Country |

**Table S13. Estimated period prevalence of AD diagnosed by physician/ dermatologist for female.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 2.8 | 1.98-3.74 | 108289.02 | 76399.93-144342.48 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 1.95 | 1.25-2.92 | 4258.47 | 2731.51-6368.07 | SUPER-REGION |
| **Asia, central** | 1.72 | 0.89-2.61 | 825.53 | 427.98-1250.52 | REGION |
| **Armenia** | 1.72 | 0.89-2.61 | 26.99 | 13.97-40.96 | Region |
| **Azerbaijan** | 1.72 | 0.89-2.61 | 87.28 | 45.16-132.44 | Region |
| **Georgia** | 0.95 | 0.91-1 | 19.88 | 18.85-20.96 | Country |
| **Kazakhstan** | 1.72 | 0.89-2.61 | 166.21 | 86.01-252.22 | Region |
| **Kyrgyzstan** | 0.78 | 0.73-0.84 | 25.74 | 23.92-27.74 | Country |
| **Mongolia** | 1.72 | 0.89-2.61 | 28.61 | 14.8-43.41 | Region |
| **Tajikistan** | 1.72 | 0.89-2.61 | 81.39 | 42.11-123.5 | Region |
| **Turkmenistan** | 1.72 | 0.89-2.61 | 52.66 | 27.25-79.91 | Region |
| **Uzbekistan** | 0.89 | 0.79-0.99 | 148.82 | 133.38-166.81 | Country |
| **Europe, central** | 1.91 | 1.33-2.72 | 1113.68 | 778.52-1587.27 | REGION |
| **Albania** | 0.5 | 0.45-0.54 | 7 | 6.38-7.69 | Country |
| **Bosnia and Herzegovina** | 2.44 | 2.2-2.71 | 40.86 | 36.81-45.59 | Country |
| **Bulgaria** | 1.91 | 1.33-2.72 | 68.27 | 47.54-97.22 | Region |
| **Croatia** | 1.74 | 1.66-1.82 | 37.03 | 35.16-38.67 | Country |
| **Czechia** | 1.91 | 1.33-2.72 | 103.83 | 72.3-147.86 | Region |
| **Hungary** | 2.28 | 2.18-2.38 | 115.45 | 110.78-120.65 | Country |
| **Montenegro** | 1.91 | 1.33-2.72 | 6.06 | 4.22-8.64 | Region |
| **Poland** | 2.44 | 2.38-2.5 | 476.05 | 464.68-487.75 | Country |
| **Romania** | 1.5 | 1.41-1.59 | 148.13 | 139.58-156.88 | Country |
| **Serbia** | 2.53 | 2.43-2.64 | 112.69 | 108.27-117.51 | Country |
| **Slovakia** | 5.13 | 3.8-6.62 | 143.81 | 106.52-185.32 | Country |
| **Slovenia** | 1.91 | 1.33-2.72 | 19.93 | 13.88-28.38 | Region |
| **North Macedonia** | 1.91 | 1.33-2.72 | 19.89 | 13.85-28.32 | Region |
| **Europe, eastern** | 1.75 | 0.98-2.61 | 1719.69 | 890.38-2614.07 | REGION |
| **Belarus** | 1.74 | 0.96-2.66 | 77.31 | 39.48-113.36 | Country |
| **Estonia** | 2.41 | 1.34-3.69 | 14.84 | 7.53-21.65 | Country |
| **Latvia** | 1.41 | 0.78-2.17 | 12.62 | 6.35-18.76 | Country |
| **Lithuania** | 0.56 | 0.31-0.87 | 7.15 | 3.5-10.83 | Country |
| **Republic of Moldova** | 1.75 | 0.98-2.61 | 36.78 | 20.6-54.86 | Region |
| **Russia** | 3.22 | 1.79-4.87 | 2219.89 | 1141-3282.95 | Country |
| **Ukraine** | 1.25 | 0.69-1.92 | 257.64 | 129.75-378.72 | Country |
| **High income** | 3.03 | 2.2-4.05 | 16643.87 | 12091.82-22257.87 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 2.97 | 1.9-4.37 | 2765.9 | 1774.32-4076.93 | REGION |
| **Brunei Darussalam** | 2.97 | 1.9-4.37 | 6.25 | 4-9.2 | Region |
| **Japan** | 3.92 | 3.89-3.95 | 2535.73 | 2514.02-2557.35 | Country |
| **Republic of Korea** | 2.24 | 2.22-2.25 | 572.58 | 568.28-576.62 | Country |
| **Singapore** | 2.89 | 2.82-2.97 | 80.66 | 78.48-82.84 | Country |
| **Australasia** | 3.28 | 2.3-4.73 | 499.63 | 350.24-720.59 | REGION |
| **Australia** | 6.42 | 6.32-6.52 | 822.05 | 808.97-834.3 | Country |
| **New Zealand** | 5.83 | 5.74-5.92 | 142.88 | 140.61-145.04 | Country |
| **Europe, western** | 3.16 | 2.49-4.01 | 6979.38 | 5507.83-8844.86 | REGION |
| **Austria** | 2 | 1.95-2.06 | 91.39 | 89.02-93.8 | Country |
| **Belgium** | 3.84 | 3.75-3.92 | 224.45 | 218.97-229.44 | Country |
| **Cyprus** | 1.62 | 1.54-1.72 | 9.81 | 9.26-10.39 | Country |
| **Denmark** | 4.14 | 4.06-4.23 | 120.57 | 118.25-123.09 | Country |
| **Finland** | 5.43 | 5.28-5.56 | 152.31 | 148.27-156.11 | Country |
| **France** | 4.85 | 4.76-4.95 | 1634.13 | 1601.59-1665.71 | Country |
| **Germany** | 4.46 | 4.43-4.5 | 1890.6 | 1876.38-1905.66 | Country |
| **Greece** | 1.27 | 1.21-1.33 | 67.43 | 64.23-70.75 | Country |
| **Iceland** | 10.69 | 9.24-12.15 | 18.15 | 15.66-20.69 | Country |
| **Ireland** | 3.34 | 3.19-3.48 | 83.04 | 79.31-86.71 | Country |
| **Israel** | 0.33 | 0.32-0.33 | 14.29 | 13.95-14.61 | Country |
| **Italy** | 3.48 | 3.45-3.52 | 1080.4 | 1071.23-1090.26 | Country |
| **Luxembourg** | 3.16 | 2.49-4.01 | 9.77 | 7.7-12.4 | Region |
| **Malta** | 1.91 | 1.84-1.99 | 4.21 | 4.02-4.42 | Country |
| **Netherlands** | 6.08 | 5.93-6.23 | 522.33 | 509.65-535.82 | Country |
| **Norway** | 4.57 | 4.45-4.69 | 122.45 | 119.06-125.98 | Country |
| **Portugal** | 2.31 | 2.25-2.37 | 123.99 | 121-127.39 | Country |
| **Spain** | 4.75 | 4.7-4.79 | 1128.12 | 1117.74-1139.23 | Country |
| **Sweden** | 6.31 | 6.23-6.4 | 318.11 | 313.86-322.27 | Country |
| **Switzerland** | 2.88 | 2.68-3.07 | 125.54 | 116.84-134.14 | Country |
| **United Kingdom** | 4.48 | 4.45-4.51 | 1538.15 | 1528.16-1548.45 | Country |
| **Latin America, southern** | 3.11 | 1.86-4.55 | 1077.47 | 644.71-1574.04 | REGION |
| **Argentina** | 2.77 | 2.7-2.84 | 640.74 | 625.16-657.1 | Country |
| **Chile** | 3.57 | 3.5-3.64 | 346.1 | 339.05-353.25 | Country |
| **Uruguay** | 1.93 | 1.84-2.02 | 34.55 | 32.92-36.23 | Country |
| **North America, high income** | 3.31 | 2.12-5.2 | 6163.9 | 3945.89-9683.59 | REGION |
| **Canada** | 3.85 | 3.75-3.93 | 730.98 | 712.46-747.91 | Country |
| **United States of America** | 3.92 | 3.88-3.96 | 6552.61 | 6483.92-6618.31 | Country |
| **Latin America and Caribbean** | 3.16 | 2.26-4.29 | 9386.13 | 6701.17-12727.15 | SUPER-REGION |
| **Caribbean** | 3.29 | 2.11-4.93 | 676.64 | 418.9-977.7 | REGION |
| **Antigua and Barbuda** | 3.29 | 2.11-4.93 | 1.67 | 1.07-2.5 | Region |
| **Bahamas** | 3.29 | 2.11-4.93 | 6.65 | 4.27-9.97 | Region |
| **Barbados** | 2.22 | 1.43-3.78 | 2.98 | 2.79-3.16 | Country |

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|---|---|---|---|---|---|
| **Belize** | 3.29 | 2.11-4.93 | 6.58 | 4.22-9.85 | Region |
| **Cuba** | 4.58 | 3.01-7.64 | 237.17 | 224.46-250.62 | Country |
| **Dominican Republic** | 3.29 | 2.11-4.93 | 178.59 | 114.54-267.61 | Region |
| **Grenada** | 3.29 | 2.11-4.93 | 1.84 | 1.18-2.75 | Region |
| **Guyana** | 3.29 | 2.11-4.93 | 12.86 | 8.25-19.27 | Region |
| **Haiti** | 3.29 | 2.11-4.93 | 190.03 | 121.87-284.75 | Region |
| **Jamaica** | 3.29 | 2.11-4.93 | 49.07 | 31.47-73.53 | Region |
| **Puerto Rico** | 3.29 | 2.11-4.93 | 49.48 | 31.74-74.15 | Region |
| **Saint Lucia** | 3.29 | 2.11-4.93 | 3.07 | 1.97-4.59 | Region |
| **Saint Vincent and the Grenadines** | 3.29 | 2.11-4.93 | 1.8 | 1.15-2.7 | Region |
| **Suriname** | 3.29 | 2.11-4.93 | 9.6 | 6.16-14.39 | Region |
| **Trinidad and Tobago** | 1.72 | 1.11-2.96 | 10.99 | 10.05-11.9 | Country |
| **Virgin Island (US)** | 3.29 | 2.11-4.93 | 1.8 | 1.16-2.7 | Region |
| **Latin America, Andean** | 3.54 | 2.32-5.4 | 1105.29 | 724.72-1685.71 | REGION |
| **Bolivia** | 5.3 | 5-5.61 | 308.38 | 291.27-326.48 | Country |
| **Ecuador** | 3.65 | 3.54-3.78 | 322.02 | 311.59-333.09 | Country |
| **Peru** | 4.04 | 3.84-4.25 | 669.75 | 636.36-704.35 | Country |
| **Latin America, central** | 3.39 | 2.36-4.62 | 4466.62 | 3105.6-6092.84 | REGION |
| **Colombia** | 3.63 | 3.55-3.72 | 940.13 | 918.58-963.57 | Country |
| **Costa Rica** | 2.53 | 2.44-2.63 | 64.53 | 62-67.11 | Country |
| **El Salvador** | 2.02 | 1.88-2.17 | 69.6 | 64.78-74.92 | Country |
| **Guatemala** | 3.39 | 2.36-4.62 | 308.09 | 214.48-419.87 | Region |
| **Honduras** | 4.53 | 4.3-4.78 | 224.36 | 213.06-237.22 | Country |
| **Mexico** | 1.63 | 1.59-1.66 | 1070.2 | 1046.68-1096.51 | Country |
| **Nicaragua** | 5.79 | 5.56-6.04 | 194.47 | 186.37-203.13 | Country |
| **Panama** | 4.92 | 4.76-5.08 | 105.99 | 102.45-109.32 | Country |
| **Venezuela (Bolivarian Republic of)** | 6.23 | 5.99-6.48 | 900.17 | 865.02-936.11 | Country |
| **Latin America, tropical** | 3.22 | 1.98-5.13 | 3591.7 | 2206.46-5722.61 | REGION |
| **Brazil** | 2.55 | 2.51-2.59 | 2754.73 | 2713.35-2796.07 | Country |
| **Paraguay** | 5.35 | 5.1-5.59 | 187.73 | 179.08-195.95 | Country |
| **North Africa and Middle East** | 2.83 | 1.83-4.21 | 8540.49 | 5545.12-12734.33 | SUPER-REGION |
| **North Africa and the Middle East** | 2.73 | 2.04-3.6 | 8254.95 | 6166.19-10866.27 | REGION |
| **Afghanistan** | 2.73 | 2.04-3.6 | 517.39 | 386.62-682.27 | Region |
| **Algeria** | 1.69 | 1.55-1.82 | 365.98 | 335.55-396.13 | Country |
| **Bahrain** | 1.98 | 1.72-2.27 | 11.93 | 10.3-13.63 | Country |
| **Egypt** | 1.1 | 1-1.2 | 556.19 | 508.85-605.29 | Country |
| **Iran (Islamic Republic of)** | 2.3 | 2.25-2.34 | 955.49 | 935.19-974.7 | Country |
| **Iraq** | 2.73 | 2.04-3.6 | 542.3 | 405.24-715.13 | Region |
| **Jordan** | 2.18 | 2.01-2.35 | 109.58 | 101.53-118.32 | Country |
| **Kuwait** | 2.88 | 2.74-3.01 | 47.62 | 45.43-49.96 | Country |
| **Lebanon** | 4.69 | 4.54-4.85 | 158.96 | 153.78-164.24 | Country |

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|---|---|---|---|---|---|
| **Libya** | 2.73 | 2.04-3.6 | 92.89 | 69.41-122.49 | Region |
| **Morocco** | 3.6 | 3.48-3.72 | 669.46 | 646.19-692.4 | Country |
| **Palestine** | 1.75 | 1.07-2.63 | 43.95 | 26.83-66.06 | Country |
| **Oman** | 2.18 | 2.1-2.27 | 37.91 | 36.41-39.34 | Country |
| **Qatar** | 4.85 | 4.49-5.2 | 34.73 | 32.15-37.2 | Country |
| **Saudi Arabia** | 3.63 | 3.49-3.8 | 533.34 | 511.93-557.76 | Country |
| **Sudan** | 1.38 | 1.23-1.56 | 303.34 | 270.69-341.23 | Country |
| **Syrian Arab Republic** | 1.33 | 1.27-1.4 | 116.49 | 110.59-123.06 | Country |
| **Sudan** | 1.38 | 1.23-1.56 | 303.34 | 270.69-341.23 | Country |
| **Tunisia** | 2.62 | 2.52-2.74 | 156.14 | 150.05-163.06 | Country |
| **Turkey** | 1.55 | 1.51-1.59 | 661.07 | 642.73-679.28 | Country |
| **United Arab Emirates** | 14.21 | 13.07-15.45 | 433.9 | 399.19-471.62 | Country |
| **Yemen** | 2.73 | 2.04-3.6 | 404.07 | 301.94-532.83 | Region |
| **South Asia** | 2.57 | 1.35-3.96 | 22289.81 | 11711.67-34348.84 | SUPER-REGION |
| **Asia, south** | 2.32 | 1.17-3.68 | 20340.47 | 11450.3-31186.33 | REGION |
| **Bangladesh** | 4.09 | 2.59-5.92 | 3340.4 | 3170.46-3514.25 | Country |
| **Bhutan** | 2.32 | 1.17-3.68 | 8.39 | 4.23-13.3 | Region |
| **India** | 1.27 | 0.79-1.87 | 8414.37 | 8265.65-8557.6 | Country |
| **Nepal** | 1.01 | 0.63-1.49 | 159.42 | 144.02-175.06 | Country |
| **Pakistan** | 2.53 | 1.61-3.69 | 2715.83 | 2610.03-2827.6 | Country |
| **South East Asia, east Asia, and Oceania** | 2.77 | 1.85-4 | 29967.39 | 19947.75-43239.83 | SUPER-REGION |
| **Asia, east** | 2.78 | 1.62-4.91 | 19560.98 | 11095.03-31579.06 | REGION |
| **China** | 2.54 | 1.42-4.87 | 16982.84 | 16830.37-17137.21 | Country |
| **Dem. People's Republic of Korea** | 2.78 | 1.62-4.91 | 366.13 | 213.36-646.66 | Region |
| **Asia, South East** | 2.59 | 1.68-3.74 | 8890.74 | 5764.17-12846.99 | REGION |
| **Cambodia** | 2.59 | 1.68-3.74 | 221.61 | 143.75-320.01 | Region |
| **Indonesia** | 1.23 | 1.16-1.3 | 1668.31 | 1579.14-1759.12 | Country |
| **Lao People's Democratic Republic** | 2.12 | 1.78-2.48 | 76.74 | 64.5-89.98 | Country |
| **Malaysia** | 1.79 | 1.74-1.83 | 280.99 | 274.24-287.98 | Country |
| **Maldives** | 2.59 | 1.68-3.74 | 5.12 | 3.32-7.39 | Region |
| **Mauritius** | 2.59 | 1.68-3.74 | 16.68 | 10.82-24.09 | Region |
| **Myanmar** | 2.59 | 1.68-3.74 | 730.11 | 473.58-1054.28 | Region |
| **Philippines** | 1.81 | 1.71-1.9 | 984.78 | 935.07-1037.13 | Country |
| **Seychelles** | 2.59 | 1.68-3.74 | 1.24 | 0.8-1.79 | Region |
| **Sri Lanka** | 3.06 | 2.9-3.24 | 341.3 | 323.24-360.74 | Country |
| **Thailand** | 5.17 | 5.09-5.24 | 1851.79 | 1824.92-1878.76 | Country |
| **Timor-Leste** | 2.59 | 1.68-3.74 | 16.89 | 10.96-24.39 | Region |
| **Vietnam** | 1.21 | 1.12-1.3 | 591.04 | 547.05-635.34 | Country |
| **Oceania** | 3.3 | 1.93-5.79 | 180.45 | 102.63-289.52 | REGION |
| **Fiji** | 2.58 | 1.16-3.43 | 11.13 | 5.04-16.68 | Country |
| **Guam** | 3.3 | 1.93-5.79 | 2.76 | 1.61-4.84 | Region |
| **Kiribati** | 3.3 | 1.93-5.79 | 2 | 1.17-3.51 | Region |
| **Marshall Islands** | 3.3 | 1.93-5.79 | 0.9 | 0.53-1.58 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 3.3 | 1.93-5.79 | 1.87 | 1.09-3.27 | Region |
| **Papua New Guinea** | 3.3 | 1.93-5.79 | 144.51 | 84.51-253.54 | Region |
| **Samoa** | 8.96 | 4.25-11.73 | 8.36 | 4.04-12.26 | Country |
| **Solomon Islands** | 3.3 | 1.93-5.79 | 11.14 | 6.52-19.55 | Region |
| **Tonga** | 6.9 | 3.21-9.15 | 3.55 | 1.67-5.31 | Country |
| **Vanuatu** | 3.3 | 1.93-5.79 | 5 | 2.92-8.77 | Region |
| **Sub-Saharan Africa** | 3.59 | 2.57-4.87 | 19637.15 | 14078.97-26650.36 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 4.33 | 2.87-6.91 | 2963.35 | 1964.59-4723.95 | REGION |
| **Angola** | 4.81 | 4.52-5.1 | 799.41 | 750.24-847.73 | Country |
| **Central African Republic** | 4.33 | 2.87-6.91 | 105.47 | 69.91-168.31 | Region |
| **Congo** | 6.98 | 5.52-8.74 | 224.32 | 203.9-244.73 | Country |
| **Democratic Republic of the Congo** | 6.01 | 5.63-6.43 | 2697.04 | 2524.5-2884.63 | Country |
| **Equatorial Guinea** | 4.33 | 2.87-6.91 | 26.96 | 17.87-43.02 | Region |
| **Gabon** | 4.96 | 4.63-5.28 | 54.16 | 50.65-57.7 | Country |
| **Sub-Saharan Africa, eastern** | 3.07 | 1.85-4.35 | 6611.86 | 3977.16-9370.89 | REGION |
| **Burundi** | 3.07 | 1.85-4.35 | 183.92 | 110.83-260.6 | Region |
| **Comoros** | 3.07 | 1.85-4.35 | 13.23 | 7.97-18.75 | Region |
| **Djibouti** | 3.07 | 1.85-4.35 | 14.4 | 8.68-20.4 | Region |
| **Eritrea** | 3.07 | 1.85-4.35 | 54.3 | 32.72-76.95 | Region |
| **Ethiopia** | 1.96 | 1.88-2.04 | 1126.77 | 1079.05-1171.05 | Country |
| **Kenya** | 5.59 | 5.41-5.78 | 1513.06 | 1463.9-1562.85 | Country |
| **Madagascar** | 1.93 | 1.63-2.25 | 267.29 | 226.33-312.09 | Country |
| **Malawi** | 3.07 | 1.85-4.35 | 297.66 | 179.37-421.77 | Region |
| **Mozambique** | 3.07 | 1.85-4.35 | 493.26 | 297.24-698.92 | Region |
| **Rwanda** | 0.62 | 0.4-0.88 | 40.66 | 26.5-57.83 | Country |
| **Somalia** | 3.07 | 1.85-4.35 | 244.65 | 147.43-346.66 | Region |
| **South Sudan** | 3.07 | 1.85-4.35 | 171.63 | 103.43-243.2 | Region |
| **Uganda** | 3.07 | 1.85-4.35 | 712.07 | 429.1-1008.96 | Region |
| **United Republic of Tanzania** | 3.24 | 2.5-4.15 | 967.97 | 745.92-1240.2 | Country |
| **Zambia** | 3.07 | 1.85-4.35 | 284.93 | 171.7-403.72 | Region |
| **Sub-Saharan Africa, southern** | 3.46 | 2.1-5.65 | 1456.58 | 881.09-2377.05 | REGION |
| **Botswana** | 3.46 | 2.1-5.65 | 41.95 | 25.46-68.51 | Region |
| **Lesotho** | 3.46 | 2.1-5.65 | 37.55 | 22.79-61.32 | Region |
| **Namibia** | 3.46 | 2.1-5.65 | 45.3 | 27.49-73.97 | Region |
| **South Africa** | 4.17 | 4.07-4.26 | 1255.14 | 1225.73-1282.56 | Country |
| **Eswatini** | 3.46 | 2.1-5.65 | 20.41 | 12.39-33.33 | Region |
| **Zimbabwe** | 3.46 | 2.1-5.65 | 268.87 | 163.19-439.06 | Region |
| **Sub-Saharan Africa, western** | 3.85 | 2.64-5.42 | 8519.17 | 5845.18-11995.72 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 3.85 | 2.64-5.42 | 233.65 | 160.22-328.94 | Region |
| **Burkina Faso** | 3.85 | 2.64-5.42 | 402.65 | 276.11-566.85 | Region |
| **Cote d'Ivoire** | 6.15 | 5.79-6.51 | 803.68 | 756.97-850.82 | Country |
| **Cameroon** | 2.25 | 2.04-2.47 | 298.29 | 270.87-327.8 | Country |
| **Cabo Verde** | 3.85 | 2.64-5.42 | 10.66 | 7.31-15.01 | Region |
| **Chad** | 3.85 | 2.64-5.42 | 316.69 | 217.16-445.83 | Region |
| **Gambia** | 3.85 | 2.64-5.42 | 46.9 | 32.16-66.02 | Region |
| **Ghana** | 2.19 | 1.8-2.66 | 335.6 | 275.55-407.97 | Country |
| **Guinea** | 7.87 | 7.46-8.29 | 533.68 | 505.68-561.42 | Country |
| **Guinea-Bissau** | 3.85 | 2.64-5.42 | 38.7 | 26.54-54.49 | Region |
| **Liberia** | 3.85 | 2.64-5.42 | 96.83 | 66.4-136.32 | Region |
| **Mali** | 3.85 | 2.64-5.42 | 389.07 | 266.79-547.73 | Region |
| **Mauritania** | 3.85 | 2.64-5.42 | 89.11 | 61.11-125.46 | Region |
| **Niger** | 3.85 | 2.64-5.42 | 463.4 | 317.76-652.38 | Region |
| **Nigeria** | 5.56 | 5.38-5.73 | 5650.4 | 5470.15-5824.56 | Country |
| **Sao Tome and Principe** | 3.85 | 2.64-5.42 | 4.22 | 2.89-5.93 | Region |
| **Senegal** | 3.85 | 2.64-5.42 | 330.07 | 226.33-464.66 | Region |
| **Sierra Leone** | 3.85 | 2.64-5.42 | 153.84 | 105.49-216.57 | Region |
| **Togo** | 3.74 | 3.46-4.05 | 155.36 | 143.94-168.43 | Country |

**Table S14. Estimated period prevalence of AD diagnosed by physician/ dermatologist for female children.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 4.27 | 3.03-5.67 | 53572.57 | 38052.26-71201.36 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 3.21 | 2.07-4.77 | 1625.58 | 1049.34-2413.67 | SUPER-REGION |
| **Asia, central** | 2.59 | 1.34-3.91 | 429.55 | 222.9-648.51 | REGION |
| **Armenia** | 2.59 | 1.34-3.91 | 9.56 | 4.95-14.43 | Region |
| **Azerbaijan** | 2.59 | 1.34-3.91 | 36.51 | 18.89-55.12 | Region |
| **Georgia** | 1.57 | 1.5-1.65 | 7.7 | 7.3-8.11 | Country |
| **Kazakhstan** | 2.59 | 1.34-3.91 | 82.88 | 42.88-125.12 | Region |
| **Kyrgyzstan** | 1.14 | 1.06-1.22 | 14.66 | 13.63-15.76 | Country |
| **Mongolia** | 2.59 | 1.34-3.91 | 15.85 | 8.2-23.92 | Region |
| **Tajikistan** | 2.59 | 1.34-3.91 | 55 | 28.46-83.03 | Region |
| **Turkmenistan** | 2.59 | 1.34-3.91 | 29.92 | 15.48-45.17 | Region |
| **Uzbekistan** | 1.33 | 1.19-1.49 | 78.95 | 70.74-88.06 | Country |
| **Europe, central** | 3.25 | 2.28-4.61 | 363.58 | 255.68-515.33 | REGION |
| **Albania** | 0.82 | 0.75-0.9 | 2.7 | 2.43-2.96 | Country |
| **Bosnia and Herzegovina** | 4.17 | 3.77-4.62 | 13.02 | 11.75-14.47 | Country |
| **Bulgaria** | 3.25 | 2.28-4.61 | 21.07 | 14.78-29.89 | Region |
| **Croatia** | 3 | 2.86-3.14 | 11.56 | 10.96-12.13 | Country |
| **Czechia** | 3.25 | 2.28-4.61 | 34.4 | 24.13-48.8 | Region |
| **Hungary** | 3.92 | 3.76-4.08 | 35.8 | 34.3-37.39 | Country |
| **Montenegro** | 3.25 | 2.28-4.61 | 2.37 | 1.66-3.36 | Region |
| **Poland** | 4.16 | 4.06-4.25 | 152.34 | 148.73-155.92 | Country |
| **Romania** | 2.55 | 2.41-2.7 | 49.39 | 46.53-52.34 | Country |
| **Serbia** | 4.26 | 4.09-4.43 | 38.19 | 36.6-39.82 | Country |
| **Slovakia** | 8.57 | 6.41-10.96 | 46.51 | 34.87-59.31 | Country |
| **Slovenia** | 3.25 | 2.28-4.61 | 6.41 | 4.5-9.1 | Region |
| **North Macedonia** | 3.25 | 2.28-4.61 | 7.25 | 5.09-10.28 | Region |
| **Europe, eastern** | 2.95 | 1.66-4.39 | 592.91 | 307.27-895.28 | REGION |
| **Belarus** | 2.95 | 1.64-4.46 | 26.25 | 13.4-38.35 | Country |
| **Estonia** | 4.09 | 2.28-6.21 | 4.92 | 2.51-7.19 | Country |
| **Latvia** | 2.42 | 1.34-3.7 | 4.09 | 2.02-6.11 | Country |
| **Lithuania** | 0.97 | 0.53-1.5 | 2.24 | 1.12-3.4 | Country |
| **Republic of Moldova** | 2.95 | 1.66-4.39 | 12.07 | 6.79-17.96 | Region |
| **Russia** | 5.35 | 3-8.05 | 780.21 | 402.79-1145.55 | Country |
| **Ukraine** | 2.15 | 1.18-3.3 | 82.27 | 41.41-120.67 | Country |
| **High income** | 5.03 | 3.66-6.67 | 5907.72 | 4294.59-7839.34 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 5.14 | 3.33-7.51 | 785.84 | 508.64-1149.29 | REGION |
| **Brunei Darussalam** | 5.14 | 3.33-7.51 | 3.28 | 2.12-4.79 | Region |
| **Japan** | 6.78 | 6.73-6.82 | 707.11 | 701.94-712.16 | Country |
| **Republic of Korea** | 3.88 | 3.86-3.91 | 167.37 | 166.08-168.62 | Country |
| **Singapore** | 4.99 | 4.87-5.12 | 23.81 | 23.12-24.49 | Country |
| **Australasia** | 5.3 | 3.73-7.59 | 198.26 | 139.72-283.58 | REGION |
| **Australia** | 10.23 | 10.08-10.38 | 320.91 | 315.85-325.91 | Country |
| **New Zealand** | 9.3 | 9.16-9.43 | 56.22 | 55.28-57.15 | Country |
| **Europe, western** | 5.31 | 4.2-6.69 | 2354.32 | 1862.32-2964 | REGION |
| **Austria** | 3.43 | 3.34-3.52 | 29.07 | 28.25-29.9 | Country |
| **Belgium** | 6.34 | 6.19-6.48 | 80.4 | 78.42-82.13 | Country |
| **Cyprus** | 2.71 | 2.57-2.86 | 3.59 | 3.37-3.82 | Country |
| **Denmark** | 6.84 | 6.71-6.96 | 42.73 | 41.88-43.61 | Country |
| **Finland** | 8.96 | 8.74-9.17 | 51.44 | 50.08-52.7 | Country |
| **France** | 7.92 | 7.78-8.07 | 596.96 | 585.55-607.97 | Country |
| **Germany** | 7.57 | 7.52-7.62 | 577.25 | 573.23-581.49 | Country |
| **Greece** | 2.2 | 2.1-2.31 | 20.83 | 19.8-21.89 | Country |
| **Iceland** | 16.56 | 14.42-18.68 | 7.11 | 6.14-8.08 | Country |
| **Ireland** | 5.33 | 5.1-5.55 | 34.85 | 33.28-36.36 | Country |
| **Israel** | 0.5 | 0.49-0.51 | 7.46 | 7.24-7.66 | Country |
| **Italy** | 6 | 5.96-6.05 | 312.3 | 309.8-314.67 | Country |
| **Luxembourg** | 5.31 | 4.2-6.69 | 3.42 | 2.7-4.3 | Region |
| **Malta** | 3.28 | 3.15-3.4 | 1.34 | 1.26-1.42 | Country |
| **Netherlands** | 9.96 | 9.73-10.19 | 179.69 | 175.43-184.18 | Country |
| **Norway** | 7.44 | 7.26-7.63 | 45.57 | 44.31-46.83 | Country |
| **Portugal** | 4.01 | 3.91-4.11 | 36.24 | 35.34-37.24 | Country |
| **Spain** | 8.01 | 7.95-8.08 | 348.32 | 345.38-351.52 | Country |
| **Sweden** | 10.22 | 10.1-10.34 | 115.47 | 113.85-117 | Country |
| **Switzerland** | 4.88 | 4.55-5.2 | 40.94 | 38.16-43.61 | Country |
| **United Kingdom** | 7.33 | 7.28-7.37 | 562.04 | 558.05-565.8 | Country |
| **Latin America, southern** | 4.86 | 2.93-7.04 | 488.15 | 293.58-707.35 | REGION |
| **Argentina** | 4.27 | 4.17-4.38 | 305.63 | 298.01-313.6 | Country |
| **Chile** | 5.75 | 5.64-5.87 | 139.09 | 136.38-142 | Country |
| **Uruguay** | 3.1 | 2.96-3.24 | 14.44 | 13.73-15.18 | Country |
| **North America, high income** | 5.39 | 3.47-8.37 | 2372.62 | 1525.49-3687.91 | REGION |
| **Canada** | 6.42 | 6.26-6.56 | 248.83 | 242.61-254.65 | Country |
| **United States of America** | 6.35 | 6.28-6.41 | 2548.38 | 2521.07-2573.46 | Country |
| **Latin America and Caribbean** | 4.86 | 3.49-6.56 | 4496.73 | 3228.39-6069.09 | SUPER-REGION |
| **Caribbean** | 5.04 | 3.26-7.49 | 325.41 | 202.31-467.73 | REGION |
| **Antigua and Barbuda** | 5.04 | 3.26-7.49 | 0.71 | 0.46-1.05 | Region |
| **Bahamas** | 5.04 | 3.26-7.49 | 2.93 | 1.89-4.35 | Region |
| **Barbados** | 3.68 | 2.38-6.23 | 1.1 | 1.02-1.17 | Country |

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|---|---|---|---|---|---|
| **Belize** | 5.04 | 3.26-7.49 | 3.88 | 2.51-5.77 | Region |
| **Cuba** | 7.57 | 5.04-12.46 | 82.05 | 77.82-86.71 | Country |
| **Dominican Republic** | 5.04 | 3.26-7.49 | 97.19 | 62.86-144.43 | Region |
| **Grenada** | 5.04 | 3.26-7.49 | 0.84 | 0.55-1.25 | Region |
| **Guyana** | 5.04 | 3.26-7.49 | 7.23 | 4.68-10.75 | Region |
| **Haiti** | 5.04 | 3.26-7.49 | 120.37 | 77.86-178.88 | Region |
| **Jamaica** | 5.04 | 3.26-7.49 | 23.01 | 14.89-34.2 | Region |
| **Puerto Rico** | 5.04 | 3.26-7.49 | 15.34 | 9.92-22.8 | Region |
| **Saint Lucia** | 5.04 | 3.26-7.49 | 1.15 | 0.74-1.71 | Region |
| **Saint Vincent and the Grenadines** | 5.04 | 3.26-7.49 | 0.83 | 0.54-1.23 | Region |
| **Suriname** | 5.04 | 3.26-7.49 | 5.03 | 3.25-7.47 | Region |
| **Trinidad and Tobago** | 2.77 | 1.8-4.75 | 4.57 | 4.17-4.98 | Country |
| **Virgin Island (US)** | 5.04 | 3.26-7.49 | 0.66 | 0.43-0.98 | Region |
| **Latin America, Andean** | 5.3 | 3.49-8 | 568.17 | 373.96-859.43 | REGION |
| **Bolivia** | 7.62 | 7.18-8.05 | 173.82 | 163.85-183.77 | Country |
| **Ecuador** | 5.42 | 5.25-5.61 | 169.62 | 164.15-175.37 | Country |
| **Peru** | 6.14 | 5.84-6.45 | 326.23 | 310.56-342.86 | Country |
| **Latin America, central** | 5.11 | 3.57-6.94 | 2253.84 | 1572.41-3059.51 | REGION |
| **Colombia** | 5.65 | 5.52-5.79 | 428.89 | 418.93-439.11 | Country |
| **Costa Rica** | 4.02 | 3.87-4.17 | 27.98 | 26.79-29.1 | Country |
| **El Salvador** | 3.07 | 2.86-3.31 | 34.88 | 32.42-37.52 | Country |
| **Guatemala** | 5.11 | 3.57-6.94 | 198.06 | 138.37-268.98 | Region |
| **Honduras** | 6.48 | 6.15-6.84 | 129 | 122.18-136.19 | Country |
| **Mexico** | 2.48 | 2.42-2.53 | 539.57 | 527.15-552.03 | Country |
| **Nicaragua** | 8.43 | 8.11-8.79 | 104.8 | 100.63-109.41 | Country |
| **Panama** | 7.34 | 7.11-7.57 | 53.94 | 52.18-55.63 | Country |
| **Venezuela (Bolivarian Republic of)** | 9.21 | 8.87-9.55 | 462.28 | 444.99-479.69 | Country |
| **Latin America, tropical** | 5.08 | 3.15-8.03 | 1564.97 | 970.32-2474.62 | REGION |
| **Brazil** | 4.05 | 3.99-4.11 | 1193.69 | 1175.58-1210.79 | Country |
| **Paraguay** | 7.76 | 7.4-8.1 | 103.17 | 98.46-107.54 | Country |
| **North Africa and Middle East** | 4.1 | 2.67-6.08 | 4831.44 | 3143.94-7173.65 | SUPER-REGION |
| **North Africa and the Middle East** | 3.96 | 2.98-5.2 | 4672.5 | 3509.07-6135.51 | REGION |
| **Afghanistan** | 3.96 | 2.98-5.2 | 403.87 | 303.92-530.33 | Region |
| **Algeria** | 2.49 | 2.29-2.7 | 200.28 | 183.85-216.87 | Country |
| **Bahrain** | 3.05 | 2.64-3.46 | 5.86 | 5.05-6.68 | Country |
| **Egypt** | 1.57 | 1.44-1.71 | 331.18 | 303.36-360.38 | Country |
| **Iran (Islamic Republic of)** | 3.55 | 3.48-3.62 | 455.43 | 445.83-464.69 | Country |
| **Iraq** | 3.96 | 2.98-5.2 | 372.07 | 279.99-488.57 | Region |
| **Jordan** | 3.07 | 2.85-3.31 | 66.4 | 61.5-71.65 | Country |
| **Kuwait** | 4.4 | 4.21-4.62 | 23.15 | 22.07-24.28 | Country |
| **Lebanon** | 7.08 | 6.86-7.32 | 78.35 | 75.76-80.95 | Country |

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|---|---|---|---|---|---|
| **Libya** | 3.96 | 2.98-5.2 | 47.65 | 35.86-62.57 | Region |
| **Morocco** | 5.42 | 5.24-5.6 | 339.26 | 327.47-350.72 | Country |
| **Palestine** | 2.38 | 1.46-3.57 | 28.84 | 17.86-43.37 | Country |
| **Oman** | 3.17 | 3.04-3.29 | 21.55 | 20.66-22.44 | Country |
| **Qatar** | 7.28 | 6.74-7.78 | 17.4 | 16.12-18.62 | Country |
| **Saudi Arabia** | 5.36 | 5.15-5.6 | 285.52 | 274.3-298.3 | Country |
| **Sudan** | 1.86 | 1.66-2.1 | 204.35 | 182.15-230.56 | Country |
| **Syrian Arab Republic** | 1.94 | 1.85-2.05 | 66.26 | 62.93-69.83 | Country |
| **Sudan** | 1.86 | 1.66-2.1 | 204.35 | 182.15-230.56 | Country |
| **Tunisia** | 4.08 | 3.92-4.26 | 72.26 | 69.33-75.57 | Country |
| **Turkey** | 2.4 | 2.34-2.47 | 316.84 | 308.44-325.41 | Country |
| **United Arab Emirates** | 21.02 | 19.41-22.72 | 190.54 | 176.3-206.37 | Country |
| **Yemen** | 3.96 | 2.98-5.2 | 287.09 | 216.04-376.99 | Region |
| **South Asia** | 3.81 | 2.02-5.85 | 11938.99 | 6318.51-18334.32 | SUPER-REGION |
| **Asia, south** | 3.44 | 1.74-5.44 | 10904.78 | 6168.31-16649.23 | REGION |
| **Bangladesh** | 6.04 | 3.85-8.69 | 1768.83 | 1678.59-1859.11 | Country |
| **Bhutan** | 3.44 | 1.74-5.44 | 4.43 | 2.24-7 | Region |
| **India** | 1.91 | 1.2-2.8 | 4412.46 | 4334.85-4486.45 | Country |
| **Nepal** | 1.5 | 0.94-2.21 | 86.22 | 77.95-94.49 | Country |
| **Pakistan** | 3.53 | 2.26-5.15 | 1682.87 | 1616.69-1751.1 | Country |
| **South East Asia, east Asia, and Oceania** | 4.46 | 2.98-6.39 | 12360.55 | 8259.53-17707.56 | SUPER-REGION |
| **Asia, east** | 4.59 | 2.69-8.01 | 7210.79 | 4105.56-11534.62 | REGION |
| **China** | 4.2 | 2.37-7.98 | 6262.7 | 6211.19-6311.16 | Country |
| **Dem. People's Republic of Korea** | 4.59 | 2.69-8.01 | 156.89 | 91.94-273.78 | Region |
| **Asia, South East** | 3.94 | 2.57-5.67 | 4400.77 | 2875.71-6334.21 | REGION |
| **Cambodia** | 3.94 | 2.57-5.67 | 128.38 | 83.74-184.75 | Region |
| **Indonesia** | 1.86 | 1.77-1.97 | 856.11 | 810.68-904.06 | Country |
| **Lao People's Democratic Republic** | 3.03 | 2.55-3.55 | 45.19 | 38.09-52.78 | Country |
| **Malaysia** | 2.75 | 2.69-2.82 | 136.84 | 133.62-140.38 | Country |
| **Maldives** | 3.94 | 2.57-5.67 | 2.52 | 1.65-3.63 | Region |
| **Mauritius** | 3.94 | 2.57-5.67 | 5.95 | 3.88-8.57 | Region |
| **Myanmar** | 3.94 | 2.57-5.67 | 371 | 242-533.91 | Region |
| **Philippines** | 2.63 | 2.5-2.77 | 555.8 | 528.41-584.54 | Country |
| **Seychelles** | 3.94 | 2.57-5.67 | 0.57 | 0.37-0.82 | Region |
| **Sri Lanka** | 4.75 | 4.5-5.02 | 158.71 | 150.22-167.65 | Country |
| **Thailand** | 8.47 | 8.36-8.59 | 656.16 | 647.31-665.33 | Country |
| **Timor-Leste** | 3.94 | 2.57-5.67 | 12.37 | 8.07-17.8 | Region |
| **Vietnam** | 1.92 | 1.78-2.06 | 265.46 | 246.26-285.26 | Country |
| **Oceania** | 4.59 | 2.69-8.01 | 111.64 | 63.7-178.49 | REGION |
| **Fiji** | 3.8 | 1.73-5.05 | 6.06 | 2.75-9.1 | Country |
| **Guam** | 4.59 | 2.69-8.01 | 1.21 | 0.71-2.11 | Region |
| **Kiribati** | 4.59 | 2.69-8.01 | 1.19 | 0.69-2.07 | Region |
| **Marshall Islands** | 4.59 | 2.69-8.01 | 0.62 | 0.37-1.09 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 4.59 | 2.69-8.01 | 1.06 | 0.62-1.85 | Region |
| **Papua New Guinea** | 4.59 | 2.69-8.01 | 90.29 | 52.91-157.56 | Region |
| **Samoa** | 12.08 | 5.81-15.74 | 5.28 | 2.59-7.67 | Country |
| **Solomon Islands** | 4.59 | 2.69-8.01 | 7.67 | 4.49-13.38 | Region |
| **Tonga** | 9.54 | 4.49-12.56 | 2.16 | 1.02-3.21 | Country |
| **Vanuatu** | 4.59 | 2.69-8.01 | 3.27 | 1.92-5.71 | Region |
| **Sub-Saharan Africa** | 4.74 | 3.41-6.42 | 13523.17 | 9723.77-18309.58 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 5.59 | 3.72-8.87 | 2122.41 | 1409.53-3366.46 | REGION |
| **Angola** | 6.17 | 5.79-6.53 | 578 | 542.65-612.99 | Country |
| **Central African Republic** | 5.59 | 3.72-8.87 | 75.11 | 49.98-119.18 | Region |
| **Congo** | 9.2 | 7.3-11.48 | 151.05 | 137.49-165.13 | Country |
| **Democratic Republic of the Congo** | 7.72 | 7.23-8.25 | 1932.21 | 1810.79-2065.03 | Country |
| **Equatorial Guinea** | 5.59 | 3.72-8.87 | 17.57 | 11.69-27.88 | Region |
| **Gabon** | 6.78 | 6.34-7.21 | 34.38 | 32.17-36.56 | Country |
| **Sub-Saharan Africa, eastern** | 4.06 | 2.44-5.73 | 4565.67 | 2748.73-6449.31 | REGION |
| **Burundi** | 4.06 | 2.44-5.73 | 133.1 | 79.99-187.85 | Region |
| **Comoros** | 4.06 | 2.44-5.73 | 8.55 | 5.14-12.07 | Region |
| **Djibouti** | 4.06 | 2.44-5.73 | 7.24 | 4.35-10.22 | Region |
| **Eritrea** | 4.06 | 2.44-5.73 | 36.42 | 21.89-51.4 | Region |
| **Ethiopia** | 2.63 | 2.52-2.73 | 764 | 731.87-794.05 | Country |
| **Kenya** | 7.5 | 7.27-7.75 | 996.41 | 965.26-1029.22 | Country |
| **Madagascar** | 2.58 | 2.18-3.02 | 180.77 | 153.2-211.13 | Country |
| **Malawi** | 4.06 | 2.44-5.73 | 209.79 | 126.08-296.09 | Region |
| **Mozambique** | 4.06 | 2.44-5.73 | 351.11 | 211.01-495.53 | Region |
| **Rwanda** | 0.84 | 0.55-1.19 | 27.08 | 17.69-38.64 | Country |
| **Somalia** | 4.06 | 2.44-5.73 | 184.66 | 110.98-260.62 | Region |
| **South Sudan** | 4.06 | 2.44-5.73 | 116.89 | 70.25-164.98 | Region |
| **Uganda** | 4.06 | 2.44-5.73 | 529.82 | 318.41-747.75 | Region |
| **United Republic of Tanzania** | 4.24 | 3.27-5.42 | 680.14 | 525.09-870.59 | Country |
| **Zambia** | 4.06 | 2.44-5.73 | 205.77 | 123.66-290.41 | Region |
| **Sub-Saharan Africa, southern** | 4.99 | 3.05-8.09 | 830.01 | 506.31-1344.77 | REGION |
| **Botswana** | 4.99 | 3.05-8.09 | 24.94 | 15.24-40.43 | Region |
| **Lesotho** | 4.99 | 3.05-8.09 | 22.63 | 13.83-36.68 | Region |
| **Namibia** | 4.99 | 3.05-8.09 | 29.5 | 18.03-47.82 | Region |
| **South Africa** | 6.15 | 6.01-6.28 | 669.28 | 653.48-683.63 | Country |
| **Eswatini** | 4.99 | 3.05-8.09 | 13.96 | 8.53-22.63 | Region |
| **Zimbabwe** | 4.99 | 3.05-8.09 | 195.84 | 119.7-317.5 | Region |
| **Sub-Saharan Africa, western** | 5.04 | 3.46-7.07 | 5951.02 | 4090.28-8351.69 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 5.04 | 3.46-7.07 | 158.43 | 108.76-222.24 | Region |
| **Burkina Faso** | 5.04 | 3.46-7.07 | 286.56 | 196.73-401.99 | Region |
| **Cote d'Ivoire** | 8.04 | 7.57-8.51 | 554.73 | 522.15-587.28 | Country |
| **Cameroon** | 2.97 | 2.7-3.27 | 206.73 | 187.62-226.81 | Country |
| **Cabo Verde** | 5.04 | 3.46-7.07 | 5.11 | 3.51-7.17 | Region |
| **Chad** | 5.04 | 3.46-7.07 | 238.25 | 163.56-334.21 | Region |
| **Gambia** | 5.04 | 3.46-7.07 | 32.98 | 22.64-46.26 | Region |
| **Ghana** | 3.01 | 2.47-3.66 | 216.07 | 177.47-263.05 | Country |
| **Guinea** | 10.28 | 9.75-10.82 | 365.5 | 346.34-384.72 | Country |
| **Guinea-Bissau** | 5.04 | 3.46-7.07 | 25.87 | 17.76-36.29 | Region |
| **Liberia** | 5.04 | 3.46-7.07 | 64.12 | 44.02-89.94 | Region |
| **Mali** | 5.04 | 3.46-7.07 | 291.76 | 200.3-409.28 | Region |
| **Mauritania** | 5.04 | 3.46-7.07 | 57.44 | 39.43-80.57 | Region |
| **Niger** | 5.04 | 3.46-7.07 | 362.92 | 249.15-509.1 | Region |
| **Nigeria** | 7.24 | 7-7.45 | 3949.82 | 3819.23-4069.51 | Country |
| **Sao Tome and Principe** | 5.04 | 3.46-7.07 | 2.9 | 1.99-4.07 | Region |
| **Senegal** | 5.04 | 3.46-7.07 | 221.41 | 152-310.59 | Region |
| **Sierra Leone** | 5.04 | 3.46-7.07 | 102.91 | 70.65-144.36 | Region |
| **Togo** | 4.97 | 4.61-5.39 | 105.41 | 97.61-114.09 | Country |

**Table S15. Estimated period prevalence of AD diagnosed by physician/ dermatologist for female adults.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 2.1 | 1.47-2.82 | 54715.95 | 38343.14-73456.39 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 1.57 | 1-2.35 | 2632.9 | 1685.92-3942.85 | SUPER-REGION |
| **Asia, central** | 1.26 | 0.65-1.93 | 395.98 | 205.28-603.47 | REGION |
| **Armenia** | 1.26 | 0.65-1.93 | 15.12 | 7.8-23.16 | Region |
| **Azerbaijan** | 1.26 | 0.65-1.93 | 46.18 | 23.82-70.73 | Region |
| **Georgia** | 0.76 | 0.73-0.8 | 12.18 | 11.54-12.86 | Country |
| **Kazakhstan** | 1.26 | 0.65-1.93 | 81.44 | 42.01-124.75 | Region |
| **Kyrgyzstan** | 0.55 | 0.51-0.59 | 11.09 | 10.3-11.95 | Country |
| **Mongolia** | 1.26 | 0.65-1.93 | 13.25 | 6.83-20.29 | Region |
| **Tajikistan** | 1.26 | 0.65-1.93 | 32.87 | 16.95-50.34 | Region |
| **Turkmenistan** | 1.26 | 0.65-1.93 | 24.02 | 12.39-36.8 | Region |
| **Uzbekistan** | 0.64 | 0.58-0.72 | 69.87 | 62.57-78.08 | Country |
| **Europe, central** | 1.59 | 1.11-2.27 | 750.1 | 523.22-1071.73 | REGION |
| **Albania** | 0.4 | 0.36-0.43 | 4.3 | 3.92-4.73 | Country |
| **Bosnia and Herzegovina** | 2.04 | 1.84-2.28 | 27.84 | 25.04-31.05 | Country |
| **Bulgaria** | 1.59 | 1.11-2.27 | 46.52 | 32.48-66.42 | Region |
| **Croatia** | 1.46 | 1.39-1.53 | 25.47 | 24.16-26.65 | Country |
| **Czechia** | 1.59 | 1.11-2.27 | 69.6 | 48.59-99.37 | Region |
| **Hungary** | 1.92 | 1.84-2.01 | 79.65 | 76.32-83.3 | Country |
| **Montenegro** | 1.59 | 1.11-2.27 | 3.89 | 2.71-5.55 | Region |
| **Poland** | 2.04 | 1.99-2.09 | 323.71 | 315.9-331.63 | Country |
| **Romania** | 1.24 | 1.17-1.32 | 98.75 | 93.12-104.81 | Country |
| **Serbia** | 2.09 | 2-2.18 | 74.5 | 71.42-77.77 | Country |
| **Slovakia** | 4.31 | 3.17-5.58 | 97.31 | 71.85-126.07 | Country |
| **Slovenia** | 1.59 | 1.11-2.27 | 13.46 | 9.39-19.21 | Region |
| **North Macedonia** | 1.59 | 1.11-2.27 | 13.01 | 9.08-18.57 | Region |
| **Europe, eastern** | 1.44 | 0.8-2.15 | 1126.79 | 583.6-1719.92 | REGION |
| **Belarus** | 1.44 | 0.79-2.2 | 51.06 | 25.96-74.98 | Country |
| **Estonia** | 2.01 | 1.11-3.07 | 9.92 | 5.03-14.39 | Country |
| **Latvia** | 1.18 | 0.65-1.82 | 8.53 | 4.27-12.72 | Country |
| **Lithuania** | 0.47 | 0.26-0.73 | 4.91 | 2.39-7.44 | Country |
| **Republic of Moldova** | 1.44 | 0.8-2.15 | 24.38 | 13.54-36.4 | Region |
| **Russia** | 2.65 | 1.46-4.03 | 1439.68 | 737.27-2138.69 | Country |
| **Ukraine** | 1.04 | 0.57-1.61 | 175.37 | 88.08-258.05 | Country |
| **High income** | 2.48 | 1.8-3.33 | 10736.17 | 7794.53-14392.8 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 2.54 | 1.62-3.75 | 1980.06 | 1266.86-2929.68 | REGION |
| **Brunei Darussalam** | 2.54 | 1.62-3.75 | 3.73 | 2.38-5.5 | Region |
| **Japan** | 3.37 | 3.34-3.41 | 1828.63 | 1810.39-1847.11 | Country |
| **Republic of Korea** | 1.9 | 1.89-1.92 | 405.22 | 401.45-409.01 | Country |
| **Singapore** | 2.46 | 2.4-2.53 | 56.85 | 55.25-58.51 | Country |
| **Australasia** | 2.62 | 1.82-3.8 | 301.37 | 210.07-437.08 | REGION |
| **Australia** | 5.19 | 5.1-5.27 | 501.14 | 492.77-509.43 | Country |
| **New Zealand** | 4.69 | 4.61-4.77 | 86.66 | 85.03-88.18 | Country |
| **Europe, western** | 2.62 | 2.06-3.33 | 4625.08 | 3635.92-5877.66 | REGION |
| **Austria** | 1.68 | 1.63-1.72 | 62.33 | 60.65-64.04 | Country |
| **Belgium** | 3.15 | 3.07-3.22 | 144.05 | 140.36-147.48 | Country |
| **Cyprus** | 1.32 | 1.25-1.4 | 6.22 | 5.86-6.63 | Country |
| **Denmark** | 3.4 | 3.33-3.47 | 77.85 | 76.23-79.58 | Country |
| **Finland** | 4.52 | 4.39-4.63 | 100.87 | 98.07-103.56 | Country |
| **France** | 3.97 | 3.88-4.05 | 1037.18 | 1015.55-1059 | Country |
| **Germany** | 3.78 | 3.75-3.82 | 1313.36 | 1301.57-1325.51 | Country |
| **Greece** | 1.07 | 1.02-1.12 | 46.6 | 44.28-48.89 | Country |
| **Iceland** | 8.7 | 7.47-9.94 | 11.05 | 9.48-12.63 | Country |
| **Ireland** | 2.63 | 2.51-2.75 | 48.19 | 46.08-50.38 | Country |
| **Israel** | 0.24 | 0.23-0.24 | 6.83 | 6.62-7.04 | Country |
| **Italy** | 2.98 | 2.95-3.01 | 768.1 | 760.72-776.29 | Country |
| **Luxembourg** | 2.62 | 2.06-3.33 | 6.42 | 5.05-8.16 | Region |
| **Malta** | 1.6 | 1.54-1.67 | 2.88 | 2.74-3.04 | Country |
| **Netherlands** | 5.05 | 4.92-5.18 | 342.64 | 334.07-351.89 | Country |
| **Norway** | 3.72 | 3.62-3.82 | 76.88 | 74.63-79.11 | Country |
| **Portugal** | 1.96 | 1.92-2.02 | 87.75 | 85.49-90.11 | Country |
| **Spain** | 4.02 | 3.97-4.06 | 779.81 | 771.64-788.3 | Country |
| **Sweden** | 5.18 | 5.11-5.25 | 202.64 | 199.54-205.61 | Country |
| **Switzerland** | 2.4 | 2.24-2.57 | 84.61 | 78.66-90.54 | Country |
| **United Kingdom** | 3.66 | 3.63-3.69 | 976.12 | 967.84-984.79 | Country |
| **Latin America, southern** | 2.4 | 1.43-3.52 | 589.33 | 350.26-865.19 | REGION |
| **Argentina** | 2.1 | 2.04-2.15 | 335.11 | 326.55-343.85 | Country |
| **Chile** | 2.85 | 2.79-2.91 | 207.01 | 202.59-211.44 | Country |
| **Uruguay** | 1.51 | 1.44-1.59 | 20.11 | 19.14-21.18 | Country |
| **North America, high income** | 2.67 | 1.7-4.22 | 3791.3 | 2419.84-5995.48 | REGION |
| **Canada** | 3.19 | 3.11-3.26 | 482.15 | 470.09-493.7 | Country |
| **United States of America** | 3.15 | 3.12-3.19 | 4004.24 | 3960.82-4047.67 | Country |
| **Latin America and Caribbean** | 2.39 | 1.7-3.27 | 4889.39 | 3471.87-6675.45 | SUPER-REGION |
| **Caribbean** | 2.49 | 1.59-3.75 | 351.23 | 216.61-509.63 | REGION |
| **Antigua and Barbuda** | 2.49 | 1.59-3.75 | 0.91 | 0.58-1.37 | Region |
| **Bahamas** | 2.49 | 1.59-3.75 | 3.59 | 2.29-5.4 | Region |
| **Barbados** | 1.8 | 1.16-3.09 | 1.88 | 1.76-2.01 | Country |

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|---|---|---|---|---|---|
| **Belize** | 2.49 | 1.59-3.75 | 3.06 | 1.95-4.61 | Region |
| **Cuba** | 3.8 | 2.48-6.39 | 155.12 | 146.54-163.89 | Country |
| **Dominican Republic** | 2.49 | 1.59-3.75 | 87.15 | 55.65-131.25 | Region |
| **Grenada** | 2.49 | 1.59-3.75 | 0.97 | 0.62-1.47 | Region |
| **Guyana** | 2.49 | 1.59-3.75 | 6.16 | 3.93-9.28 | Region |
| **Haiti** | 2.49 | 1.59-3.75 | 84.35 | 53.86-127.04 | Region |
| **Jamaica** | 2.49 | 1.59-3.75 | 25.77 | 16.45-38.81 | Region |
| **Puerto Rico** | 2.49 | 1.59-3.75 | 29.87 | 19.08-44.99 | Region |
| **Saint Lucia** | 2.49 | 1.59-3.75 | 1.75 | 1.12-2.64 | Region |
| **Saint Vincent and the Grenadines** | 2.49 | 1.59-3.75 | 0.95 | 0.61-1.44 | Region |
| **Suriname** | 2.49 | 1.59-3.75 | 4.78 | 3.05-7.2 | Region |
| **Trinidad and Tobago** | 1.35 | 0.87-2.34 | 6.42 | 5.87-6.98 | Country |
| **Virgin Island (US)** | 2.49 | 1.59-3.75 | 1.04 | 0.66-1.56 | Region |
| **Latin America, Andean** | 2.62 | 1.71-4.04 | 537.13 | 350.75-829.22 | REGION |
| **Bolivia** | 3.81 | 3.59-4.04 | 134.57 | 126.66-142.79 | Country |
| **Ecuador** | 2.68 | 2.59-2.77 | 152.4 | 147.19-158.03 | Country |
| **Peru** | 3.05 | 2.89-3.21 | 343.53 | 326.87-361.42 | Country |
| **Latin America, central** | 2.52 | 1.75-3.46 | 2212.78 | 1531.96-3033.5 | REGION |
| **Colombia** | 2.79 | 2.73-2.87 | 511.24 | 499.19-524.65 | Country |
| **Costa Rica** | 1.97 | 1.9-2.05 | 36.55 | 35.08-38.04 | Country |
| **El Salvador** | 1.5 | 1.4-1.62 | 34.72 | 32.32-37.39 | Country |
| **Guatemala** | 2.52 | 1.75-3.46 | 131.35 | 91.22-180.35 | Region |
| **Honduras** | 3.22 | 3.05-3.41 | 95.37 | 90.33-100.95 | Country |
| **Mexico** | 1.2 | 1.18-1.23 | 530.64 | 518.19-544.15 | Country |
| **Nicaragua** | 4.24 | 4.05-4.43 | 89.67 | 85.71-93.75 | Country |
| **Panama** | 3.67 | 3.54-3.79 | 52.05 | 50.31-53.82 | Country |
| **Venezuela (Bolivarian Republic of)** | 4.64 | 4.45-4.84 | 437.9 | 419.53-456.29 | Country |
| **Latin America, tropical** | 2.51 | 1.53-4.02 | 2026.74 | 1236.13-3247.73 | REGION |
| **Brazil** | 1.99 | 1.95-2.02 | 1561.05 | 1535.94-1586.87 | Country |
| **Paraguay** | 3.88 | 3.69-4.06 | 84.57 | 80.42-88.39 | Country |
| **North Africa and Middle East** | 2.01 | 1.3-3.02 | 3709.06 | 2394.59-5562.11 | SUPER-REGION |
| **North Africa and the Middle East** | 1.94 | 1.45-2.57 | 3582.45 | 2667.94-4735.9 | REGION |
| **Afghanistan** | 1.94 | 1.45-2.57 | 169.82 | 126.92-224.96 | Region |
| **Algeria** | 1.21 | 1.11-1.31 | 165.7 | 151.81-179.21 | Country |
| **Bahrain** | 1.49 | 1.29-1.7 | 6.08 | 5.22-6.94 | Country |
| **Egypt** | 0.76 | 0.7-0.83 | 225.01 | 205.43-245.06 | Country |
| **Iran (Islamic Republic of)** | 1.74 | 1.7-1.77 | 500.07 | 488.92-510.92 | Country |
| **Iraq** | 1.94 | 1.45-2.57 | 203.1 | 151.8-269.05 | Region |
| **Jordan** | 1.5 | 1.39-1.62 | 43.18 | 39.94-46.65 | Country |
| **Kuwait** | 2.16 | 2.07-2.27 | 24.48 | 23.35-25.67 | Country |
| **Lebanon** | 3.53 | 3.41-3.66 | 80.62 | 77.91-83.48 | Country |

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|---|---|---|---|---|---|
| **Libya** | 1.94 | 1.45-2.57 | 42.66 | 31.89-56.52 | Region |
| **Morocco** | 2.68 | 2.58-2.77 | 330.21 | 318.1-342.03 | Country |
| **Palestine** | 1.16 | 0.7-1.75 | 15.11 | 9.16-22.82 | Country |
| **Oman** | 1.55 | 1.49-1.61 | 16.36 | 15.68-17.04 | Country |
| **Qatar** | 3.63 | 3.36-3.89 | 17.33 | 16.01-18.63 | Country |
| **Saudi Arabia** | 2.65 | 2.54-2.77 | 247.83 | 237.62-259.27 | Country |
| **Sudan** | 0.9 | 0.8-1.02 | 98.99 | 88.2-111.3 | Country |
| **Syrian Arab Republic** | 0.94 | 0.89-0.99 | 50.23 | 47.55-53.03 | Country |
| **Sudan** | 0.9 | 0.8-1.02 | 98.99 | 88.2-111.3 | Country |
| **Tunisia** | 2 | 1.92-2.09 | 83.88 | 80.43-87.67 | Country |
| **Turkey** | 1.17 | 1.13-1.2 | 344.23 | 334.01-354.33 | Country |
| **United Arab Emirates** | 11.33 | 10.38-12.37 | 243.36 | 223.33-265.69 | Country |
| **Yemen** | 1.94 | 1.45-2.57 | 146.49 | 109.49-194.07 | Region |
| **South Asia** | 1.87 | 0.97-2.89 | 10350.79 | 5388.35-15995.58 | SUPER-REGION |
| **Asia, south** | 1.68 | 0.84-2.69 | 9435.65 | 5279.71-14519.51 | REGION |
| **Bangladesh** | 3 | 1.89-4.37 | 1571.58 | 1491.97-1653.8 | Country |
| **Bhutan** | 1.68 | 0.84-2.69 | 3.91 | 1.96-6.26 | Region |
| **India** | 0.92 | 0.58-1.37 | 4001.93 | 3928.16-4074.16 | Country |
| **Nepal** | 0.73 | 0.45-1.07 | 73.2 | 65.93-80.55 | Country |
| **Pakistan** | 1.73 | 1.1-2.53 | 1032.96 | 991.01-1077.55 | Country |
| **South East Asia, east Asia, and Oceania** | 2.19 | 1.46-3.18 | 17606.85 | 11690-25523.06 | SUPER-REGION |
| **Asia, east** | 2.26 | 1.31-4.03 | 12350.2 | 6989.1-20007.07 | REGION |
| **China** | 2.07 | 1.15-3.99 | 10720.14 | 10606.09-10830.77 | Country |
| **Dem. People's Republic of Korea** | 2.26 | 1.31-4.03 | 220.4 | 127.75-393.01 | Region |
| **Asia, South East** | 1.93 | 1.25-2.81 | 4489.98 | 2899.89-6515.81 | REGION |
| **Cambodia** | 1.93 | 1.25-2.81 | 102.26 | 66.23-148.88 | Region |
| **Indonesia** | 0.9 | 0.86-0.95 | 812.2 | 767.67-857.43 | Country |
| **Lao People's Democratic Republic** | 1.48 | 1.24-1.73 | 31.56 | 26.41-36.78 | Country |
| **Malaysia** | 1.34 | 1.31-1.38 | 144.14 | 140.45-147.93 | Country |
| **Maldives** | 1.93 | 1.25-2.81 | 2.58 | 1.67-3.75 | Region |
| **Mauritius** | 1.93 | 1.25-2.81 | 9.52 | 6.16-13.86 | Region |
| **Myanmar** | 1.93 | 1.25-2.81 | 362.32 | 234.66-527.52 | Region |
| **Philippines** | 1.28 | 1.22-1.35 | 428.99 | 406.64-452.45 | Country |
| **Seychelles** | 1.93 | 1.25-2.81 | 0.64 | 0.42-0.94 | Region |
| **Sri Lanka** | 2.34 | 2.21-2.47 | 182.59 | 172.99-193.24 | Country |
| **Thailand** | 4.26 | 4.19-4.32 | 1195.64 | 1176.52-1214.26 | Country |
| **Timor-Leste** | 1.93 | 1.25-2.81 | 6.53 | 4.23-9.5 | Region |
| **Vietnam** | 0.93 | 0.86-1 | 325.58 | 300.75-350.65 | Country |
| **Oceania** | 2.26 | 1.31-4.03 | 68.81 | 39.06-111.33 | REGION |
| **Fiji** | 1.87 | 0.83-2.49 | 5.07 | 2.31-7.67 | Country |
| **Guam** | 2.26 | 1.31-4.03 | 1.3 | 0.75-2.31 | Region |
| **Kiribati** | 2.26 | 1.31-4.03 | 0.79 | 0.46-1.41 | Region |
| **Marshall Islands** | 2.26 | 1.31-4.03 | 0.31 | 0.18-0.55 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 2.26 | 1.31-4.03 | 0.76 | 0.44-1.35 | Region |
| **Papua New Guinea** | 2.26 | 1.31-4.03 | 54.51 | 31.6-97.2 | Region |
| **Samoa** | 6.21 | 2.88-8.21 | 3.08 | 1.44-4.59 | Country |
| **Solomon Islands** | 2.26 | 1.31-4.03 | 3.86 | 2.23-6.87 | Region |
| **Tonga** | 4.83 | 2.21-6.47 | 1.4 | 0.65-2.11 | Country |
| **Vanuatu** | 2.26 | 1.31-4.03 | 1.81 | 1.05-3.23 | Region |
| **Sub-Saharan Africa** | 2.34 | 1.67-3.19 | 6113.98 | 4361.16-8343.31 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 2.77 | 1.82-4.47 | 840.95 | 554.24-1358.58 | REGION |
| **Angola** | 3.06 | 2.87-3.25 | 221.41 | 207.33-235.47 | Country |
| **Central African Republic** | 2.77 | 1.82-4.47 | 30.25 | 19.88-48.82 | Region |
| **Congo** | 4.65 | 3.64-5.87 | 73.27 | 66.34-80.42 | Country |
| **Democratic Republic of the Congo** | 3.86 | 3.61-4.14 | 764.84 | 714.4-820.19 | Country |
| **Equatorial Guinea** | 2.77 | 1.82-4.47 | 8.54 | 5.61-13.78 | Region |
| **Gabon** | 3.38 | 3.14-3.6 | 19.78 | 18.47-21.1 | Country |
| **Sub-Saharan Africa, eastern** | 1.99 | 1.19-2.84 | 2046.21 | 1222.43-2913.62 | REGION |
| **Burundi** | 1.99 | 1.19-2.84 | 53.98 | 32.28-77.03 | Region |
| **Comoros** | 1.99 | 1.19-2.84 | 4.38 | 2.62-6.26 | Region |
| **Djibouti** | 1.99 | 1.19-2.84 | 5.79 | 3.46-8.26 | Region |
| **Eritrea** | 1.99 | 1.19-2.84 | 17.35 | 10.37-24.76 | Region |
| **Ethiopia** | 1.28 | 1.22-1.33 | 362.78 | 346.91-377.46 | Country |
| **Kenya** | 3.75 | 3.62-3.88 | 516.66 | 498.07-533.83 | Country |
| **Madagascar** | 1.26 | 1.06-1.47 | 86.53 | 73.24-101.15 | Country |
| **Malawi** | 1.99 | 1.19-2.84 | 90.12 | 53.89-128.61 | Region |
| **Mozambique** | 1.99 | 1.19-2.84 | 147.64 | 88.29-210.71 | Region |
| **Rwanda** | 0.4 | 0.26-0.58 | 13.59 | 8.85-19.32 | Country |
| **Somalia** | 1.99 | 1.19-2.84 | 68.07 | 40.71-97.15 | Region |
| **South Sudan** | 1.99 | 1.19-2.84 | 53.96 | 32.27-77.01 | Region |
| **Uganda** | 1.99 | 1.19-2.84 | 201.88 | 120.72-288.11 | Region |
| **United Republic of Tanzania** | 2.08 | 1.6-2.68 | 287.83 | 221.18-369.98 | Country |
| **Zambia** | 1.99 | 1.19-2.84 | 83.83 | 50.13-119.64 | Region |
| **Sub-Saharan Africa, southern** | 2.46 | 1.48-4.06 | 626.58 | 376.61-1032.61 | REGION |
| **Botswana** | 2.46 | 1.48-4.06 | 17.54 | 10.55-28.94 | Region |
| **Lesotho** | 2.46 | 1.48-4.06 | 15.54 | 9.35-25.65 | Region |
| **Namibia** | 2.46 | 1.48-4.06 | 17.66 | 10.63-29.15 | Region |
| **South Africa** | 3.05 | 2.97-3.12 | 585.87 | 570.8-599.64 | Country |
| **Eswatini** | 2.46 | 1.48-4.06 | 7.63 | 4.59-12.6 | Region |
| **Zimbabwe** | 2.46 | 1.48-4.06 | 94.62 | 56.92-156.16 | Region |
| **Sub-Saharan Africa, western** | 2.49 | 1.7-3.53 | 2568.16 | 1756.97-3643.17 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 2.49 | 1.7-3.53 | 72.85 | 49.73-103.27 | Region |
| **Burkina Faso** | 2.49 | 1.7-3.53 | 118.84 | 81.14-168.48 | Region |
| **Cote d'Ivoire** | 4.03 | 3.79-4.28 | 248.96 | 234.09-264.23 | Country |
| **Cameroon** | 1.45 | 1.31-1.59 | 91.57 | 82.99-100.54 | Country |
| **Cabo Verde** | 2.49 | 1.7-3.53 | 4.37 | 2.98-6.19 | Region |
| **Chad** | 2.49 | 1.7-3.53 | 87.11 | 59.47-123.5 | Region |
| **Gambia** | 2.49 | 1.7-3.53 | 14.04 | 9.58-19.9 | Region |
| **Ghana** | 1.47 | 1.21-1.79 | 119.54 | 97.83-145.5 | Country |
| **Guinea** | 5.22 | 4.93-5.51 | 168.19 | 159.03-177.55 | Country |
| **Guinea-Bissau** | 2.49 | 1.7-3.53 | 12.25 | 8.36-17.37 | Region |
| **Liberia** | 2.49 | 1.7-3.53 | 30.95 | 21.13-43.88 | Region |
| **Mali** | 2.49 | 1.7-3.53 | 107.49 | 73.38-152.38 | Region |
| **Mauritania** | 2.49 | 1.7-3.53 | 29.26 | 19.98-41.48 | Region |
| **Niger** | 2.49 | 1.7-3.53 | 120.41 | 82.21-170.7 | Region |
| **Nigeria** | 3.61 | 3.5-3.73 | 1700.59 | 1644.81-1757.21 | Country |
| **Sao Tome and Principe** | 2.49 | 1.7-3.53 | 1.29 | 0.88-1.83 | Region |
| **Senegal** | 2.49 | 1.7-3.53 | 104.08 | 71.06-147.56 | Region |
| **Sierra Leone** | 2.49 | 1.7-3.53 | 48.65 | 33.22-68.97 | Region |
| **Togo** | 2.45 | 2.27-2.66 | 49.96 | 46.28-54.33 | Country |

## Table S16. Estimated period prevalence of AD diagnosed by physician/ dermatologist for male.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 2.44 | 1.72-3.25 | 95759.34 | 67546.91-127844.31 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 1.72 | 1.11-2.58 | 3433.94 | 2202.4-5135.88 | SUPER-REGION |
| **Asia, central** | 1.51 | 0.78-2.29 | 707.21 | 366.01-1072.79 | REGION |
| **Armenia** | 1.51 | 0.78-2.29 | 21.04 | 10.87-31.92 | Region |
| **Azerbaijan** | 1.51 | 0.78-2.29 | 76.48 | 39.5-115.98 | Region |
| **Georgia** | 0.85 | 0.81-0.89 | 16.12 | 15.31-16.95 | Country |
| **Kazakhstan** | 1.51 | 0.78-2.29 | 137.61 | 71.08-208.69 | Region |
| **Kyrgyzstan** | 0.68 | 0.63-0.73 | 22.01 | 20.4-23.58 | Country |
| **Mongolia** | 1.51 | 0.78-2.29 | 24.39 | 12.6-36.98 | Region |
| **Tajikistan** | 1.51 | 0.78-2.29 | 72.57 | 37.48-110.05 | Region |
| **Turkmenistan** | 1.51 | 0.78-2.29 | 44.84 | 23.16-68 | Region |
| **Uzbekistan** | 0.77 | 0.69-0.86 | 128.85 | 115.56-143.8 | Country |
| **Europe, central** | 1.67 | 1.17-2.38 | 922.74 | 645.88-1315.43 | REGION |
| **Albania** | 0.43 | 0.39-0.47 | 6.31 | 5.69-6.94 | Country |
| **Bosnia and Herzegovina** | 2.13 | 1.91-2.37 | 34.18 | 30.73-38.01 | Country |
| **Bulgaria** | 1.67 | 1.17-2.38 | 56.35 | 39.48-80.3 | Region |
| **Croatia** | 1.53 | 1.45-1.6 | 30.21 | 28.74-31.65 | Country |
| **Czechia** | 1.67 | 1.17-2.38 | 88.05 | 61.69-125.48 | Region |
| **Hungary** | 2.01 | 1.92-2.1 | 92.27 | 88.47-96.65 | Country |
| **Montenegro** | 1.67 | 1.17-2.38 | 5.19 | 3.63-7.39 | Region |
| **Poland** | 2.13 | 2.08-2.18 | 391.19 | 381.48-400.81 | Country |
| **Romania** | 1.31 | 1.23-1.39 | 122.52 | 115.39-130.17 | Country |
| **Serbia** | 2.21 | 2.13-2.31 | 94.69 | 90.93-98.72 | Country |
| **Slovakia** | 4.5 | 3.32-5.82 | 119.64 | 88.63-154.8 | Country |
| **Slovenia** | 1.67 | 1.17-2.38 | 17.29 | 12.11-24.64 | Region |
| **North Macedonia** | 1.67 | 1.17-2.38 | 17.4 | 12.19-24.8 | Region |
| **Europe, eastern** | 1.56 | 0.87-2.32 | 1324.66 | 685.28-2012.92 | REGION |
| **Belarus** | 1.55 | 0.85-2.36 | 59.78 | 30.37-87.68 | Country |
| **Estonia** | 2.13 | 1.18-3.27 | 11.8 | 5.99-17.29 | Country |
| **Latvia** | 1.26 | 0.7-1.93 | 9.63 | 4.78-14.39 | Country |
| **Lithuania** | 0.49 | 0.27-0.77 | 5.47 | 2.71-8.26 | Country |
| **Republic of Moldova** | 1.56 | 0.87-2.32 | 30.14 | 16.81-44.82 | Region |
| **Russia** | 2.87 | 1.59-4.37 | 1711.64 | 877.93-2533.5 | Country |
| **Ukraine** | 1.11 | 0.61-1.71 | 197.68 | 99.66-291.26 | Country |
| **High income** | 2.64 | 1.91-3.53 | 14103.44 | 10239.2-18860.65 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 2.58 | 1.65-3.81 | 2340.21 | 1495.74-3455.35 | REGION |
| **Brunei Darussalam** | 2.58 | 1.65-3.81 | 5.86 | 3.75-8.65 | Region |
| **Japan** | 3.42 | 3.39-3.45 | 2113.49 | 2095.3-2131.53 | Country |
| **Republic of Korea** | 1.94 | 1.92-1.95 | 497.1 | 493.53-500.6 | Country |
| **Singapore** | 2.47 | 2.41-2.54 | 75.72 | 73.69-77.88 | Country |
| **Australasia** | 2.85 | 2-4.13 | 429.82 | 301-620.8 | REGION |
| **Australia** | 5.61 | 5.53-5.7 | 712.71 | 701.51-724.26 | Country |
| **New Zealand** | 5.11 | 5.04-5.19 | 121.23 | 119.16-123.15 | Country |
| **Europe, western** | 2.76 | 2.17-3.5 | 5888.92 | 4639.47-7469.78 | REGION |
| **Austria** | 1.74 | 1.7-1.79 | 77.38 | 75.36-79.45 | Country |
| **Belgium** | 3.35 | 3.27-3.42 | 192.51 | 187.72-196.76 | Country |
| **Cyprus** | 1.41 | 1.33-1.49 | 8.51 | 8.03-9.01 | Country |
| **Denmark** | 3.6 | 3.53-3.68 | 103.75 | 101.68-105.94 | Country |
| **Finland** | 4.74 | 4.61-4.85 | 129.48 | 125.85-132.71 | Country |
| **France** | 4.27 | 4.18-4.35 | 1348.47 | 1320.62-1374.88 | Country |
| **Germany** | 3.9 | 3.87-3.93 | 1615.11 | 1602.99-1627.98 | Country |
| **Greece** | 1.11 | 1.05-1.16 | 56.56 | 53.79-59.39 | Country |
| **Iceland** | 9.36 | 8.07-10.65 | 16.04 | 13.81-18.29 | Country |
| **Ireland** | 2.91 | 2.78-3.04 | 71.32 | 68.21-74.41 | Country |
| **Israel** | 0.29 | 0.28-0.29 | 12.32 | 12.02-12.6 | Country |
| **Italy** | 3.05 | 3.02-3.07 | 896.82 | 888.85-905.02 | Country |
| **Luxembourg** | 2.76 | 2.17-3.5 | 8.74 | 6.87-11.08 | Region |
| **Malta** | 1.66 | 1.59-1.72 | 3.67 | 3.49-3.85 | Country |
| **Netherlands** | 5.3 | 5.17-5.44 | 452.52 | 441.55-464.68 | Country |
| **Norway** | 3.96 | 3.85-4.06 | 108.39 | 105.32-111.52 | Country |
| **Portugal** | 2.03 | 1.98-2.08 | 97.97 | 95.57-100.62 | Country |
| **Spain** | 4.15 | 4.11-4.19 | 953.93 | 944.98-963.2 | Country |
| **Sweden** | 5.5 | 5.43-5.57 | 278.29 | 274.53-282.32 | Country |
| **Switzerland** | 2.5 | 2.33-2.67 | 107.31 | 99.93-114.65 | Country |
| **United Kingdom** | 3.91 | 3.88-3.93 | 1310.65 | 1302.12-1319.46 | Country |
| **Latin America, southern** | 2.73 | 1.63-3.99 | 903.39 | 538.05-1322.14 | REGION |
| **Argentina** | 2.43 | 2.37-2.49 | 535.38 | 522.01-549.37 | Country |
| **Chile** | 3.11 | 3.05-3.17 | 293.27 | 287.32-299.14 | Country |
| **Uruguay** | 1.69 | 1.62-1.77 | 28.41 | 27.1-29.74 | Country |
| **North America, high income** | 2.88 | 1.84-4.54 | 5260.87 | 3355.3-8281.33 | REGION |
| **Canada** | 3.34 | 3.26-3.42 | 626.4 | 610.28-640.76 | Country |
| **United States of America** | 3.42 | 3.38-3.45 | 5593.92 | 5536.1-5649.12 | Country |
| **Latin America and Caribbean** | 2.77 | 1.97-3.76 | 7956.53 | 5676.72-10811.51 | SUPER-REGION |
| **Caribbean** | 2.87 | 1.84-4.32 | 578.3 | 357.57-836.8 | REGION |
| **Antigua and Barbuda** | 2.87 | 1.84-4.32 | 1.36 | 0.87-2.04 | Region |
| **Bahamas** | 2.87 | 1.84-4.32 | 5.48 | 3.52-8.26 | Region |
| **Barbados** | 1.94 | 1.25-3.32 | 2.44 | 2.3-2.6 | Country |

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|---|---|---|---|---|---|
| **Belize** | 2.87 | 1.84-4.32 | 5.68 | 3.64-8.54 | Region |
| **Cuba** | 4 | 2.62-6.7 | 203.8 | 192.85-215.44 | Country |
| **Dominican Republic** | 2.87 | 1.84-4.32 | 155.48 | 99.68-234.03 | Region |
| **Grenada** | 2.87 | 1.84-4.32 | 1.63 | 1.04-2.45 | Region |
| **Guyana** | 2.87 | 1.84-4.32 | 11.35 | 7.28-17.09 | Region |
| **Haiti** | 2.87 | 1.84-4.32 | 161.48 | 103.52-243.06 | Region |
| **Jamaica** | 2.87 | 1.84-4.32 | 42.17 | 27.04-63.48 | Region |
| **Puerto Rico** | 2.87 | 1.84-4.32 | 38.89 | 24.93-58.54 | Region |
| **Saint Lucia** | 2.87 | 1.84-4.32 | 2.59 | 1.66-3.91 | Region |
| **Saint Vincent and the Grenadines** | 2.87 | 1.84-4.32 | 1.61 | 1.03-2.43 | Region |
| **Suriname** | 2.87 | 1.84-4.32 | 8.46 | 5.42-12.74 | Region |
| **Trinidad and Tobago** | 1.49 | 0.96-2.57 | 9.29 | 8.53-10.13 | Country |
| **Virgin Island (US)** | 2.87 | 1.84-4.32 | 1.42 | 0.91-2.14 | Region |
| **Latin America, Andean** | 3.06 | 2.01-4.68 | 951.12 | 623.27-1453.31 | REGION |
| **Bolivia** | 4.62 | 4.35-4.89 | 270.57 | 255.24-286.54 | Country |
| **Ecuador** | 3.18 | 3.07-3.29 | 280.25 | 270.96-290.11 | Country |
| **Peru** | 3.48 | 3.31-3.65 | 569.37 | 541.44-598.63 | Country |
| **Latin America, central** | 2.98 | 2.06-4.06 | 3775.33 | 2616.21-5151.28 | REGION |
| **Colombia** | 3.18 | 3.11-3.26 | 794.87 | 776.89-814.39 | Country |
| **Costa Rica** | 2.2 | 2.11-2.28 | 55.89 | 53.75-58.12 | Country |
| **El Salvador** | 1.81 | 1.69-1.95 | 54.96 | 51.12-59.15 | Country |
| **Guatemala** | 2.98 | 2.06-4.06 | 263.04 | 181.84-358.37 | Region |
| **Honduras** | 3.95 | 3.75-4.18 | 195.44 | 185.42-206.94 | Country |
| **Mexico** | 1.42 | 1.39-1.46 | 898.52 | 878.61-920.8 | Country |
| **Nicaragua** | 5.11 | 4.91-5.34 | 166.98 | 160.02-174.36 | Country |
| **Panama** | 4.28 | 4.14-4.42 | 92.48 | 89.34-95.53 | Country |
| **Venezuela (Bolivarian Republic of)** | 5.49 | 5.28-5.71 | 767.1 | 737.82-798.55 | Country |
| **Latin America, tropical** | 2.81 | 1.73-4.49 | 3039.39 | 1865.32-4852.68 | REGION |
| **Brazil** | 2.23 | 2.19-2.26 | 2323.93 | 2286.86-2360.33 | Country |
| **Paraguay** | 4.63 | 4.41-4.83 | 167.79 | 159.96-175.24 | Country |
| **North Africa and Middle East** | 2.42 | 1.57-3.61 | 7726.01 | 5007.61-11527.3 | SUPER-REGION |
| **North Africa and the Middle East** | 2.34 | 1.75-3.08 | 7465.52 | 5579.69-9835.75 | REGION |
| **Afghanistan** | 2.34 | 1.75-3.08 | 467.44 | 349.58-615.27 | Region |
| **Algeria** | 1.45 | 1.33-1.57 | 322.13 | 295.82-348.77 | Country |
| **Bahrain** | 1.53 | 1.32-1.74 | 16.8 | 14.48-19.18 | Country |
| **Egypt** | 0.95 | 0.87-1.04 | 492.06 | 449.41-535.62 | Country |
| **Iran (Islamic Republic of)** | 1.99 | 1.95-2.03 | 842.57 | 824.73-859.92 | Country |
| **Iraq** | 2.34 | 1.75-3.08 | 476.37 | 356.26-627.02 | Region |
| **Jordan** | 1.87 | 1.73-2.02 | 96.64 | 89.45-104.41 | Country |
| **Kuwait** | 2.31 | 2.21-2.42 | 60.43 | 57.65-63.35 | Country |
| **Lebanon** | 4.09 | 3.96-4.23 | 140.61 | 136-145.42 | Country |

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|---|---|---|---|---|---|
| **Libya** | 2.34 | 1.75-3.08 | 81.17 | 60.7-106.84 | Region |
| **Morocco** | 3.15 | 3.04-3.26 | 576.96 | 556.46-597.14 | Country |
| **Palestine** | 1.51 | 0.92-2.27 | 38.95 | 23.74-58.65 | Country |
| **Oman** | 1.61 | 1.54-1.67 | 54.23 | 52.07-56.31 | Country |
| **Qatar** | 3.5 | 3.24-3.75 | 75.84 | 70.12-81.24 | Country |
| **Saudi Arabia** | 2.91 | 2.79-3.05 | 586.25 | 562.43-613.27 | Country |
| **Sudan** | 1.2 | 1.06-1.34 | 262.02 | 233.83-294.2 | Country |
| **Syrian Arab Republic** | 1.15 | 1.1-1.22 | 101.13 | 95.92-106.66 | Country |
| **Sudan** | 1.2 | 1.06-1.34 | 262.02 | 233.83-294.2 | Country |
| **Tunisia** | 2.29 | 2.21-2.4 | 134.47 | 129.2-140.48 | Country |
| **Turkey** | 1.35 | 1.31-1.39 | 562.2 | 546.65-577.75 | Country |
| **United Arab Emirates** | 11.05 | 10.14-12.06 | 755.54 | 693.21-824.49 | Country |
| **Yemen** | 2.34 | 1.75-3.08 | 351.58 | 262.94-462.77 | Region |
| **South Asia** | 2.22 | 1.17-3.43 | 20605.49 | 10821.1-31863.21 | SUPER-REGION |
| **Asia, south** | 2 | 1.01-3.18 | 18795.81 | 10541.52-28854.51 | REGION |
| **Bangladesh** | 3.54 | 2.24-5.13 | 2956.22 | 2806.15-3111.02 | Country |
| **Bhutan** | 2 | 1.01-3.18 | 8.2 | 4.14-13.04 | Region |
| **India** | 1.09 | 0.68-1.61 | 7848.13 | 7713.34-7980.7 | Country |
| **Nepal** | 0.91 | 0.57-1.35 | 122.06 | 110.21-134.19 | Country |
| **Pakistan** | 2.18 | 1.39-3.19 | 2485.22 | 2386.31-2585.78 | Country |
| **South East Asia, east Asia, and Oceania** | 2.42 | 1.61-3.5 | 26962.11 | 17927.49-39022.59 | SUPER-REGION |
| **Asia, east** | 2.43 | 1.41-4.3 | 17922.18 | 10152.61-28980.36 | REGION |
| **China** | 2.22 | 1.24-4.26 | 15574.28 | 15431.86-15717.19 | Country |
| **Dem. People's Republic of Korea** | 2.43 | 1.41-4.3 | 306.38 | 177.78-542.16 | Region |
| **Asia, South East** | 2.25 | 1.46-3.26 | 7708.77 | 4981.3-11143.62 | REGION |
| **Cambodia** | 2.25 | 1.46-3.26 | 183.65 | 119.17-266.09 | Region |
| **Indonesia** | 1.06 | 1.01-1.12 | 1463.14 | 1385.02-1545.55 | Country |
| **Lao People's Democratic Republic** | 1.83 | 1.54-2.15 | 66.87 | 56.07-78.15 | Country |
| **Malaysia** | 1.53 | 1.5-1.57 | 254.83 | 248.88-261.27 | Country |
| **Maldives** | 2.25 | 1.46-3.26 | 7.72 | 5.01-11.18 | Region |
| **Mauritius** | 2.25 | 1.46-3.26 | 14.12 | 9.16-20.46 | Region |
| **Myanmar** | 2.25 | 1.46-3.26 | 589.95 | 382.81-854.78 | Region |
| **Philippines** | 1.57 | 1.49-1.65 | 863.12 | 818.34-908.65 | Country |
| **Seychelles** | 2.25 | 1.46-3.26 | 1.13 | 0.74-1.64 | Region |
| **Sri Lanka** | 2.69 | 2.55-2.85 | 276.68 | 261.75-292.62 | Country |
| **Thailand** | 4.55 | 4.48-4.61 | 1544.1 | 1521.09-1566.71 | Country |
| **Timor-Leste** | 2.25 | 1.46-3.26 | 14.99 | 9.73-21.72 | Region |
| **Vietnam** | 1.06 | 0.99-1.14 | 517.5 | 479.06-555.97 | Country |
| **Oceania** | 2.86 | 1.66-5.03 | 162.59 | 92.3-261.62 | REGION |
| **Fiji** | 2.23 | 1-2.96 | 9.87 | 4.49-14.77 | Country |
| **Guam** | 2.86 | 1.66-5.03 | 2.43 | 1.41-4.28 | Region |
| **Kiribati** | 2.86 | 1.66-5.03 | 1.68 | 0.98-2.95 | Region |
| **Marshall Islands** | 2.86 | 1.66-5.03 | 0.82 | 0.47-1.44 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 2.86 | 1.66-5.03 | 1.67 | 0.97-2.94 | Region |
| **Papua New Guinea** | 2.86 | 1.66-5.03 | 130.65 | 75.83-229.77 | Region |
| **Samoa** | 7.79 | 3.66-10.23 | 7.8 | 3.68-11.44 | Country |
| **Solomon Islands** | 2.86 | 1.66-5.03 | 9.99 | 5.8-17.57 | Region |
| **Tonga** | 6.1 | 2.83-8.12 | 3.15 | 1.47-4.73 | Country |
| **Vanuatu** | 2.86 | 1.66-5.03 | 4.45 | 2.58-7.83 | Region |
| **Sub-Saharan Africa** | 3.12 | 2.23-4.24 | 16982.12 | 12179.82-23089.18 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 3.76 | 2.48-6.01 | 2555.63 | 1688.11-4091.07 | REGION |
| **Angola** | 4.19 | 3.93-4.45 | 680.54 | 637.55-723 | Country |
| **Central African Republic** | 3.76 | 2.48-6.01 | 90.02 | 59.37-143.88 | Region |
| **Congo** | 6.07 | 4.79-7.63 | 195.12 | 176.45-213.43 | Country |
| **Democratic Republic of the Congo** | 5.23 | 4.88-5.6 | 2336.4 | 2184.93-2500.8 | Country |
| **Equatorial Guinea** | 3.76 | 2.48-6.01 | 29.34 | 19.35-46.9 | Region |
| **Gabon** | 4.24 | 3.97-4.53 | 48.08 | 44.94-51.27 | Country |
| **Sub-Saharan Africa, eastern** | 2.67 | 1.6-3.78 | 5670.97 | 3403.34-8044.56 | REGION |
| **Burundi** | 2.67 | 1.6-3.78 | 157.53 | 94.4-223.01 | Region |
| **Comoros** | 2.67 | 1.6-3.78 | 11.71 | 7.02-16.58 | Region |
| **Djibouti** | 2.67 | 1.6-3.78 | 13.86 | 8.3-19.62 | Region |
| **Eritrea** | 2.67 | 1.6-3.78 | 47.46 | 28.44-67.19 | Region |
| **Ethiopia** | 1.7 | 1.62-1.76 | 974.94 | 934.34-1012.54 | Country |
| **Kenya** | 4.87 | 4.71-5.03 | 1300.91 | 1258.26-1344.54 | Country |
| **Madagascar** | 1.66 | 1.41-1.94 | 229.77 | 194.25-268.5 | Country |
| **Malawi** | 2.67 | 1.6-3.78 | 251.89 | 150.94-356.61 | Region |
| **Mozambique** | 2.67 | 1.6-3.78 | 405.53 | 243.01-574.12 | Region |
| **Rwanda** | 0.54 | 0.35-0.76 | 34.08 | 22.28-48.64 | Country |
| **Somalia** | 2.67 | 1.6-3.78 | 211.57 | 126.79-299.53 | Region |
| **South Sudan** | 2.67 | 1.6-3.78 | 149.6 | 89.65-211.79 | Region |
| **Uganda** | 2.67 | 1.6-3.78 | 601.99 | 360.75-852.26 | Region |
| **United Republic of Tanzania** | 2.81 | 2.16-3.6 | 837.51 | 644.58-1074.94 | Country |
| **Zambia** | 2.67 | 1.6-3.78 | 243.05 | 145.65-344.09 | Region |
| **Sub-Saharan Africa, southern** | 3.03 | 1.83-4.96 | 1220.95 | 737.08-1999.3 | REGION |
| **Botswana** | 3.03 | 1.83-4.96 | 34.51 | 20.85-56.5 | Region |
| **Lesotho** | 3.03 | 1.83-4.96 | 32.03 | 19.34-52.42 | Region |
| **Namibia** | 3.03 | 1.83-4.96 | 37.32 | 22.54-61.09 | Region |
| **South Africa** | 3.64 | 3.55-3.72 | 1063.14 | 1037.29-1086.92 | Country |
| **Eswatini** | 3.03 | 1.83-4.96 | 17.28 | 10.44-28.28 | Region |
| **Zimbabwe** | 3.03 | 1.83-4.96 | 214.89 | 129.78-351.76 | Region |
| **Sub-Saharan Africa, western** | 3.34 | 2.28-4.72 | 7472.54 | 5115.11-10564.9 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 3.34 | 2.28-4.72 | 202.21 | 138.04-285.76 | Region |
| **Burkina Faso** | 3.34 | 2.28-4.72 | 348.85 | 238.14-492.99 | Region |
| **Cote d'Ivoire** | 5.29 | 4.98-5.6 | 703.38 | 661.75-745.79 | Country |
| **Cameroon** | 1.94 | 1.76-2.13 | 257.47 | 233.45-283.3 | Country |
| **Cabo Verde** | 3.34 | 2.28-4.72 | 9.32 | 6.36-13.17 | Region |
| **Chad** | 3.34 | 2.28-4.72 | 273.89 | 186.96-387.05 | Region |
| **Gambia** | 3.34 | 2.28-4.72 | 40.03 | 27.33-56.57 | Region |
| **Ghana** | 1.89 | 1.55-2.29 | 297.37 | 243.47-360.64 | Country |
| **Guinea** | 7.01 | 6.64-7.38 | 445.21 | 421.05-468.69 | Country |
| **Guinea-Bissau** | 3.34 | 2.28-4.72 | 32.15 | 21.95-45.44 | Region |
| **Liberia** | 3.34 | 2.28-4.72 | 84.92 | 57.97-120.01 | Region |
| **Mali** | 3.34 | 2.28-4.72 | 338.85 | 231.31-478.85 | Region |
| **Mauritania** | 3.34 | 2.28-4.72 | 77.99 | 53.24-110.21 | Region |
| **Niger** | 3.34 | 2.28-4.72 | 406.48 | 277.48-574.43 | Region |
| **Nigeria** | 4.82 | 4.66-4.97 | 5034.95 | 4871.73-5194.11 | Country |
| **Sao Tome and Principe** | 3.34 | 2.28-4.72 | 3.66 | 2.5-5.18 | Region |
| **Senegal** | 3.34 | 2.28-4.72 | 272.9 | 186.29-385.66 | Region |
| **Sierra Leone** | 3.34 | 2.28-4.72 | 132.97 | 90.77-187.91 | Region |
| **Togo** | 3.23 | 2.99-3.5 | 133.05 | 123.18-144.44 | Country |

**Table S17. Estimated period prevalence of AD diagnosed by physician/ dermatologist for male children.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 8.66 | 6.25-11.34 | 116039.01 | 83745.2-152042.73 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 6.59 | 4.3-9.65 | 3525.57 | 2305.82-5162.94 | SUPER-REGION |
| **Asia, central** | 5.35 | 2.81-7.98 | 941.91 | 495.7-1405.26 | REGION |
| **Armenia** | 5.35 | 2.81-7.98 | 22.4 | 11.76-33.41 | Region |
| **Azerbaijan** | 5.35 | 2.81-7.98 | 86.24 | 45.29-128.63 | Region |
| **Georgia** | 3.29 | 3.14-3.45 | 17.6 | 16.75-18.48 | Country |
| **Kazakhstan** | 5.35 | 2.81-7.98 | 181.31 | 95.23-270.44 | Region |
| **Kyrgyzstan** | 2.4 | 2.23-2.57 | 32.25 | 30.03-34.59 | Country |
| **Mongolia** | 5.35 | 2.81-7.98 | 33.5 | 17.59-49.96 | Region |
| **Tajikistan** | 5.35 | 2.81-7.98 | 119.97 | 63.01-178.95 | Region |
| **Turkmenistan** | 5.35 | 2.81-7.98 | 63.47 | 33.34-94.67 | Region |
| **Uzbekistan** | 2.79 | 2.51-3.12 | 174.51 | 156.63-193.96 | Country |
| **Europe, central** | 6.67 | 4.74-9.33 | 787.7 | 561.07-1102.46 | REGION |
| **Albania** | 1.73 | 1.58-1.9 | 6.37 | 5.81-6.98 | Country |
| **Bosnia and Herzegovina** | 8.47 | 7.67-9.35 | 27.85 | 25.23-30.92 | Country |
| **Bulgaria** | 6.67 | 4.74-9.33 | 45.82 | 32.56-64.09 | Region |
| **Croatia** | 6.18 | 5.89-6.44 | 25.23 | 23.97-26.42 | Country |
| **Czechia** | 6.67 | 4.74-9.33 | 74.47 | 52.92-104.17 | Region |
| **Hungary** | 7.98 | 7.66-8.31 | 76.96 | 74.01-80.17 | Country |
| **Montenegro** | 6.67 | 4.74-9.33 | 5.3 | 3.77-7.42 | Region |
| **Poland** | 8.46 | 8.26-8.64 | 324.4 | 317.18-331.44 | Country |
| **Romania** | 5.28 | 4.98-5.58 | 108.02 | 102.06-114.26 | Country |
| **Serbia** | 8.65 | 8.33-8.99 | 82.97 | 79.76-86.14 | Country |
| **Slovakia** | 16.6 | 12.74-20.75 | 94.48 | 72.39-118.2 | Country |
| **Slovenia** | 6.67 | 4.74-9.33 | 13.96 | 9.92-19.52 | Region |
| **North Macedonia** | 6.67 | 4.74-9.33 | 15.87 | 11.28-22.2 | Region |
| **Europe, eastern** | 6.07 | 3.46-8.88 | 1290.5 | 679.05-1925.15 | REGION |
| **Belarus** | 6.06 | 3.42-9.08 | 56.86 | 29.7-82.09 | Country |
| **Estonia** | 8.3 | 4.75-12.37 | 10.64 | 5.54-15.25 | Country |
| **Latvia** | 5.01 | 2.82-7.56 | 9.05 | 4.63-13.33 | Country |
| **Lithuania** | 2.03 | 1.13-3.14 | 5 | 2.44-7.5 | Country |
| **Republic of Moldova** | 6.07 | 3.46-8.88 | 26.36 | 15.03-38.56 | Region |
| **Russia** | 10.72 | 6.18-15.72 | 1654.79 | 877.13-2377.43 | Country |
| **Ukraine** | 4.46 | 2.49-6.77 | 181.82 | 92.48-263.84 | Country |
| **High income** | 10.12 | 7.47-13.25 | 12485.5 | 9217.69-16351.25 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 10.32 | 6.82-14.76 | 1669.83 | 1104.26-2390.76 | REGION |
| **Brunei Darussalam** | 10.32 | 6.82-14.76 | 6.98 | 4.62-9.99 | Region |
| **Japan** | 13.4 | 13.31-13.48 | 1475.15 | 1465.84-1484.96 | Country |
| **Republic of Korea** | 7.92 | 7.87-7.97 | 364.02 | 361.52-366.64 | Country |
| **Singapore** | 10.06 | 9.82-10.3 | 51.06 | 49.79-52.38 | Country |
| **Australasia** | 10.62 | 7.64-14.9 | 418.19 | 300.93-586.17 | REGION |
| **Australia** | 19.52 | 19.27-19.77 | 644.41 | 635.95-653.53 | Country |
| **New Zealand** | 17.91 | 17.67-18.14 | 113.84 | 112.25-115.33 | Country |
| **Europe, western** | 10.65 | 8.52-13.21 | 4992.19 | 3994.02-6188.99 | REGION |
| **Austria** | 7.03 | 6.86-7.21 | 63.42 | 61.85-65.02 | Country |
| **Belgium** | 12.59 | 12.32-12.84 | 169.59 | 165.59-172.87 | Country |
| **Cyprus** | 5.59 | 5.31-5.89 | 7.92 | 7.47-8.39 | Country |
| **Denmark** | 13.51 | 13.28-13.75 | 88.76 | 87.24-90.38 | Country |
| **Finland** | 17.33 | 16.95-17.69 | 104.25 | 101.86-106.55 | Country |
| **France** | 15.48 | 15.2-15.75 | 1219.41 | 1197.6-1240.13 | Country |
| **Germany** | 14.84 | 14.75-14.93 | 1214.03 | 1206.2-1221.4 | Country |
| **Greece** | 4.57 | 4.37-4.79 | 45.87 | 43.7-47.95 | Country |
| **Iceland** | 29.67 | 26.42-32.83 | 13.31 | 11.85-14.81 | Country |
| **Ireland** | 10.69 | 10.25-11.11 | 73.4 | 70.3-76.21 | Country |
| **Israel** | 1.05 | 1.04-1.07 | 16.64 | 16.25-17.01 | Country |
| **Italy** | 11.97 | 11.88-12.06 | 661.42 | 656.24-666.79 | Country |
| **Luxembourg** | 10.65 | 8.52-13.21 | 7.19 | 5.75-8.91 | Region |
| **Malta** | 6.73 | 6.47-6.97 | 2.92 | 2.79-3.07 | Country |
| **Netherlands** | 19.06 | 18.66-19.47 | 362.63 | 355.1-370.66 | Country |
| **Norway** | 14.61 | 14.26-14.95 | 94.25 | 91.89-96.66 | Country |
| **Portugal** | 8.16 | 7.98-8.36 | 77.63 | 75.89-79.63 | Country |
| **Spain** | 15.64 | 15.52-15.76 | 723.26 | 717.83-729.5 | Country |
| **Sweden** | 19.51 | 19.29-19.72 | 232.39 | 229.74-235.13 | Country |
| **Switzerland** | 9.84 | 9.21-10.45 | 86.63 | 80.97-92.2 | Country |
| **United Kingdom** | 14.41 | 14.33-14.48 | 1156.07 | 1149.59-1162.23 | Country |
| **Latin America, southern** | 9.79 | 6.03-13.85 | 1019.15 | 627.31-1442.9 | REGION |
| **Argentina** | 8.67 | 8.48-8.88 | 643.49 | 628.82-659.67 | Country |
| **Chile** | 11.5 | 11.3-11.7 | 287.87 | 282.73-293.35 | Country |
| **Uruguay** | 6.38 | 6.1-6.66 | 31.03 | 29.62-32.47 | Country |
| **North America, high income** | 10.78 | 7.08-16.29 | 4957.44 | 3255.25-7487.13 | REGION |
| **Canada** | 12.73 | 12.44-13 | 517.57 | 505.73-528.39 | Country |
| **United States of America** | 12.61 | 12.49-12.72 | 5285.01 | 5236.36-5332.47 | Country |
| **Latin America and Caribbean** | 9.79 | 7.16-13 | 9424.76 | 6890.86-12524.69 | SUPER-REGION |
| **Caribbean** | 10.13 | 6.69-14.73 | 683.79 | 434.28-962.33 | REGION |
| **Antigua and Barbuda** | 10.13 | 6.69-14.73 | 1.46 | 0.96-2.12 | Region |
| **Bahamas** | 10.13 | 6.69-14.73 | 6.02 | 3.97-8.75 | Region |
| **Barbados** | 7.5 | 4.95-12.38 | 2.34 | 2.21-2.48 | Country |

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|---|---|---|---|---|---|
| **Belize** | 10.13 | 6.69-14.73 | 8 | 5.28-11.63 | Region |
| **Cuba** | 14.79 | 10.16-23.26 | 171.33 | 162.96-180.22 | Country |
| **Dominican Republic** | 10.13 | 6.69-14.73 | 203.29 | 134.26-295.61 | Region |
| **Grenada** | 10.13 | 6.69-14.73 | 1.78 | 1.17-2.58 | Region |
| **Guyana** | 10.13 | 6.69-14.73 | 15.14 | 10-22.01 | Region |
| **Haiti** | 10.13 | 6.69-14.73 | 249.11 | 164.51-362.22 | Region |
| **Jamaica** | 10.13 | 6.69-14.73 | 48.1 | 31.76-69.94 | Region |
| **Puerto Rico** | 10.13 | 6.69-14.73 | 33.49 | 22.12-48.7 | Region |
| **Saint Lucia** | 10.13 | 6.69-14.73 | 2.36 | 1.56-3.43 | Region |
| **Saint Vincent and the Grenadines** | 10.13 | 6.69-14.73 | 1.72 | 1.13-2.49 | Region |
| **Suriname** | 10.13 | 6.69-14.73 | 10.87 | 7.18-15.81 | Region |
| **Trinidad and Tobago** | 5.71 | 3.75-9.57 | 9.75 | 8.94-10.58 | Country |
| **Virgin Island (US)** | 10.13 | 6.69-14.73 | 1.39 | 0.92-2.02 | Region |
| **Latin America, Andean** | 10.61 | 7.17-15.6 | 1158.18 | 782.46-1704.74 | REGION |
| **Bolivia** | 14.93 | 14.14-15.72 | 355.44 | 336.34-374.43 | Country |
| **Ecuador** | 10.87 | 10.55-11.21 | 355.03 | 344.55-366.38 | Country |
| **Peru** | 12.22 | 11.67-12.79 | 643.62 | 614.39-674.08 | Country |
| **Latin America, central** | 10.27 | 7.3-13.66 | 4725.93 | 3360.12-6285.27 | REGION |
| **Colombia** | 11.3 | 11.05-11.56 | 896.87 | 877.59-916.93 | Country |
| **Costa Rica** | 8.19 | 7.9-8.49 | 59.65 | 57.45-61.87 | Country |
| **El Salvador** | 6.32 | 5.9-6.79 | 74.45 | 69.47-79.93 | Country |
| **Guatemala** | 10.27 | 7.3-13.66 | 415.24 | 295.16-552.3 | Region |
| **Honduras** | 12.84 | 12.24-13.51 | 266.96 | 254.5-280.66 | Country |
| **Mexico** | 5.13 | 5.01-5.25 | 1164.85 | 1138.84-1191.81 | Country |
| **Nicaragua** | 16.39 | 15.8-17.03 | 215.5 | 207.69-223.66 | Country |
| **Panama** | 14.43 | 14-14.83 | 110.53 | 107.25-113.53 | Country |
| **Venezuela (Bolivarian Republic of)** | 17.75 | 17.16-18.37 | 928.96 | 897.76-961.19 | Country |
| **Latin America, tropical** | 10.19 | 6.48-15.67 | 3275.64 | 2078.36-5037.22 | REGION |
| **Brazil** | 8.24 | 8.12-8.36 | 2533.12 | 2496.95-2569.77 | Country |
| **Paraguay** | 15.18 | 14.53-15.78 | 211.12 | 202.12-219.4 | Country |
| **North Africa and Middle East** | 8.32 | 5.52-12.11 | 10285.51 | 6824.55-14973.09 | SUPER-REGION |
| **North Africa and the Middle East** | 8.06 | 6.14-10.44 | 9972.23 | 7586.83-12910.58 | REGION |
| **Afghanistan** | 8.06 | 6.14-10.44 | 863.36 | 657.69-1118.3 | Region |
| **Algeria** | 5.16 | 4.76-5.56 | 432.14 | 398.71-465.79 | Country |
| **Bahrain** | 6.27 | 5.46-7.09 | 13.02 | 11.25-14.78 | Country |
| **Egypt** | 3.29 | 3.01-3.57 | 734.55 | 672.04-798.37 | Country |
| **Iran (Islamic Republic of)** | 7.27 | 7.13-7.41 | 981.23 | 961.71-999.98 | Country |
| **Iraq** | 8.06 | 6.14-10.44 | 799.98 | 609.42-1036.21 | Region |
| **Jordan** | 6.32 | 5.88-6.79 | 141.21 | 131.08-151.98 | Country |
| **Kuwait** | 8.93 | 8.54-9.33 | 55.01 | 52.68-57.54 | Country |
| **Lebanon** | 13.96 | 13.54-14.38 | 164.81 | 159.87-169.91 | Country |

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|---|---|---|---|---|---|
| **Libya** | 8.06 | 6.14-10.44 | 102.19 | 77.84-132.36 | Region |
| **Morocco** | 10.87 | 10.54-11.22 | 716.04 | 693.72-739.66 | Country |
| **Palestine** | 4.93 | 3.06-7.31 | 62.27 | 38.86-92.52 | Country |
| **Oman** | 6.52 | 6.26-6.76 | 44.51 | 42.78-46.2 | Country |
| **Qatar** | 14.32 | 13.33-15.21 | 37.23 | 34.67-39.68 | Country |
| **Saudi Arabia** | 10.76 | 10.35-11.21 | 590.83 | 568.5-615.07 | Country |
| **Sudan** | 3.88 | 3.47-4.35 | 437.55 | 390.7-490.76 | Country |
| **Syrian Arab Republic** | 4.05 | 3.85-4.26 | 143.64 | 136.37-151.34 | Country |
| **Sudan** | 3.88 | 3.47-4.35 | 437.55 | 390.7-490.76 | Country |
| **Tunisia** | 8.31 | 7.99-8.65 | 156.79 | 150.86-163.5 | Country |
| **Turkey** | 4.97 | 4.85-5.11 | 686.76 | 669.31-705.28 | Country |
| **United Arab Emirates** | 36.15 | 33.88-38.55 | 342.71 | 321.48-365.67 | Country |
| **Yemen** | 8.06 | 6.14-10.44 | 607.24 | 462.58-786.54 | Region |
| **South Asia** | 7.75 | 4.19-11.67 | 26648.67 | 14412.1-40135.78 | SUPER-REGION |
| **Asia, south** | 7.03 | 3.63-10.91 | 24437 | 14081.3-36690.08 | REGION |
| **Bangladesh** | 12.02 | 7.87-16.86 | 3682.17 | 3506.13-3857.94 | Country |
| **Bhutan** | 7.03 | 3.63-10.91 | 9.36 | 4.83-14.53 | Region |
| **India** | 3.97 | 2.52-5.78 | 10192.31 | 10022.1-10359.14 | Country |
| **Nepal** | 3.14 | 1.99-4.6 | 184.15 | 166.52-201.64 | Country |
| **Pakistan** | 7.21 | 4.68-10.37 | 3717.86 | 3578.56-3862.07 | Country |
| **South East Asia, east Asia, and Oceania** | 9.02 | 6.15-12.72 | 27700.8 | 18910.32-39047.51 | SUPER-REGION |
| **Asia, east** | 9.25 | 5.57-15.63 | 16675.92 | 9713.85-25993.13 | REGION |
| **China** | 8.51 | 4.9-15.54 | 14636.45 | 14525.57-14743.5 | Country |
| **Dem. People's Republic of Korea** | 9.25 | 5.57-15.63 | 330.56 | 199.05-558.56 | Region |
| **Asia, South East** | 8.02 | 5.31-11.35 | 9445.17 | 6258.49-13365.46 | REGION |
| **Cambodia** | 8.02 | 5.31-11.35 | 270.46 | 179.07-382.76 | Region |
| **Indonesia** | 3.88 | 3.69-4.1 | 1877.26 | 1780.65-1979.11 | Country |
| **Lao People's Democratic Republic** | 6.24 | 5.26-7.26 | 96.22 | 81.39-111.66 | Country |
| **Malaysia** | 5.68 | 5.55-5.81 | 299.89 | 292.99-306.91 | Country |
| **Maldives** | 8.02 | 5.31-11.35 | 5.47 | 3.62-7.74 | Region |
| **Mauritius** | 8.02 | 5.31-11.35 | 12.59 | 8.33-17.82 | Region |
| **Myanmar** | 8.02 | 5.31-11.35 | 763.63 | 505.59-1080.7 | Region |
| **Philippines** | 5.44 | 5.18-5.73 | 1213.12 | 1154.48-1277.01 | Country |
| **Seychelles** | 8.02 | 5.31-11.35 | 1.23 | 0.81-1.73 | Region |
| **Sri Lanka** | 9.6 | 9.11-10.1 | 325.87 | 309.23-343.91 | Country |
| **Thailand** | 16.46 | 16.25-16.67 | 1348.15 | 1331.04-1365.36 | Country |
| **Timor-Leste** | 8.02 | 5.31-11.35 | 26.03 | 17.24-36.84 | Region |
| **Vietnam** | 4 | 3.72-4.29 | 611.45 | 567.95-655.18 | Country |
| **Oceania** | 9.25 | 5.57-15.63 | 240.69 | 140.41-374.83 | REGION |
| **Fiji** | 7.75 | 3.62-10.15 | 12.97 | 6.03-18.97 | Country |
| **Guam** | 9.25 | 5.57-15.63 | 2.57 | 1.55-4.35 | Region |
| **Kiribati** | 9.25 | 5.57-15.63 | 2.52 | 1.52-4.26 | Region |
| **Marshall Islands** | 9.25 | 5.57-15.63 | 1.35 | 0.81-2.28 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 9.25 | 5.57-15.63 | 2.25 | 1.35-3.8 | Region |
| **Papua New Guinea** | 9.25 | 5.57-15.63 | 194.36 | 117.04-328.42 | Region |
| **Samoa** | 22.51 | 11.62-28.42 | 10.63 | 5.55-14.77 | Country |
| **Solomon Islands** | 9.25 | 5.57-15.63 | 16.46 | 9.91-27.82 | Region |
| **Tonga** | 18.24 | 9.09-23.43 | 4.45 | 2.23-6.35 | Country |
| **Vanuatu** | 9.25 | 5.57-15.63 | 7.08 | 4.26-11.96 | Region |
| **Sub-Saharan Africa** | 9.57 | 6.99-12.75 | 27927.12 | 20410.54-37206.91 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 11.15 | 7.59-17.18 | 4291.9 | 2918.51-6611.7 | REGION |
| **Angola** | 12.27 | 11.58-12.97 | 1154.96 | 1089.32-1220.14 | Country |
| **Central African Republic** | 11.15 | 7.59-17.18 | 151.26 | 102.97-233.06 | Region |
| **Congo** | 17.7 | 14.37-21.63 | 291.63 | 267.38-315.23 | Country |
| **Democratic Republic of the Congo** | 15.11 | 14.23-16.05 | 3844.27 | 3620.7-4084.57 | Country |
| **Equatorial Guinea** | 11.15 | 7.59-17.18 | 35.97 | 24.49-55.43 | Region |
| **Gabon** | 13.41 | 12.56-14.2 | 69.15 | 64.87-73.35 | Country |
| **Sub-Saharan Africa, eastern** | 8.24 | 5.05-11.44 | 9437.88 | 5782.65-13102.94 | REGION |
| **Burundi** | 8.24 | 5.05-11.44 | 273.51 | 167.63-379.73 | Region |
| **Comoros** | 8.24 | 5.05-11.44 | 17.98 | 11.02-24.97 | Region |
| **Djibouti** | 8.24 | 5.05-11.44 | 16.33 | 10.01-22.67 | Region |
| **Eritrea** | 8.24 | 5.05-11.44 | 77.07 | 47.23-107 | Region |
| **Ethiopia** | 5.43 | 5.21-5.64 | 1617.28 | 1550.24-1679.78 | Country |
| **Kenya** | 14.73 | 14.29-15.16 | 1985.63 | 1927.39-2044.72 | Country |
| **Madagascar** | 5.34 | 4.54-6.21 | 379.77 | 322.91-442.05 | Country |
| **Malawi** | 8.24 | 5.05-11.44 | 431.22 | 264.28-598.69 | Region |
| **Mozambique** | 8.24 | 5.05-11.44 | 714.02 | 437.6-991.31 | Region |
| **Rwanda** | 1.77 | 1.16-2.51 | 57.26 | 37.55-81.14 | Country |
| **Somalia** | 8.24 | 5.05-11.44 | 379.42 | 232.54-526.77 | Region |
| **South Sudan** | 8.24 | 5.05-11.44 | 242.95 | 148.89-337.3 | Region |
| **Uganda** | 8.24 | 5.05-11.44 | 1092.27 | 669.41-1516.45 | Region |
| **United Republic of Tanzania** | 8.6 | 6.71-10.87 | 1410.09 | 1100.96-1783.65 | Country |
| **Zambia** | 8.24 | 5.05-11.44 | 423.99 | 259.85-588.64 | Region |
| **Sub-Saharan Africa, southern** | 10.02 | 6.27-15.76 | 1693.01 | 1060.27-2662.25 | REGION |
| **Botswana** | 10.02 | 6.27-15.76 | 51.24 | 32.06-80.59 | Region |
| **Lesotho** | 10.02 | 6.27-15.76 | 45.5 | 28.47-71.57 | Region |
| **Namibia** | 10.02 | 6.27-15.76 | 59.1 | 36.98-92.95 | Region |
| **South Africa** | 12.24 | 11.97-12.48 | 1359.49 | 1329.43-1387.39 | Country |
| **Eswatini** | 10.02 | 6.27-15.76 | 28.45 | 17.8-44.75 | Region |
| **Zimbabwe** | 10.02 | 6.27-15.76 | 395.14 | 247.26-621.49 | Region |
| **Sub-Saharan Africa, western** | 10.14 | 7.1-13.94 | 12365.43 | 8658.74-17000.6 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 10.14 | 7.1-13.94 | 327.83 | 229.55-450.69 | Region |
| **Burkina Faso** | 10.14 | 7.1-13.94 | 597.85 | 418.61-821.89 | Region |
| **Cote d'Ivoire** | 15.69 | 14.86-16.53 | 1091.16 | 1032.57-1149.93 | Country |
| **Cameroon** | 6.12 | 5.58-6.7 | 432.69 | 394.35-472.56 | Country |
| **Cabo Verde** | 10.14 | 7.1-13.94 | 10.5 | 7.35-14.43 | Region |
| **Chad** | 10.14 | 7.1-13.94 | 483.08 | 338.25-664.12 | Region |
| **Gambia** | 10.14 | 7.1-13.94 | 67.41 | 47.2-92.67 | Region |
| **Ghana** | 6.19 | 5.12-7.45 | 464 | 383.26-559.09 | Country |
| **Guinea** | 19.61 | 18.67-20.54 | 707.72 | 675.42-741.37 | Country |
| **Guinea-Bissau** | 10.14 | 7.1-13.94 | 52.63 | 36.85-72.35 | Region |
| **Liberia** | 10.14 | 7.1-13.94 | 134.01 | 93.84-184.24 | Region |
| **Mali** | 10.14 | 7.1-13.94 | 606.46 | 424.64-833.73 | Region |
| **Mauritania** | 10.14 | 7.1-13.94 | 119.23 | 83.48-163.91 | Region |
| **Niger** | 10.14 | 7.1-13.94 | 756.28 | 529.54-1039.7 | Region |
| **Nigeria** | 14.24 | 13.82-14.64 | 8113.39 | 7871.11-8341.11 | Country |
| **Sao Tome and Principe** | 10.14 | 7.1-13.94 | 5.97 | 4.18-8.21 | Region |
| **Senegal** | 10.14 | 7.1-13.94 | 456.63 | 319.73-627.75 | Region |
| **Sierra Leone** | 10.14 | 7.1-13.94 | 208 | 145.64-285.95 | Region |
| **Togo** | 10.02 | 9.33-10.81 | 213.8 | 199.21-230.59 | Country |

**Table S18. Estimated period prevalence of AD diagnosed by physician/ dermatologist for male adults.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 1.8 | 1.26-2.41 | 46555.08 | 32625.83-62462.91 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 1.34 | 0.86-2.02 | 1957.6 | 1254.05-2929.06 | SUPER-REGION |
| **Asia, central** | 1.08 | 0.56-1.65 | 315.66 | 163.47-481.71 | REGION |
| **Armenia** | 1.08 | 0.56-1.65 | 10.53 | 5.46-16.09 | Region |
| **Azerbaijan** | 1.08 | 0.56-1.65 | 37.29 | 19.34-56.97 | Region |
| **Georgia** | 0.65 | 0.62-0.69 | 8.91 | 8.43-9.4 | Country |
| **Kazakhstan** | 1.08 | 0.56-1.65 | 61.82 | 32.05-94.44 | Region |
| **Kyrgyzstan** | 0.47 | 0.44-0.51 | 8.87 | 8.2-9.51 | Country |
| **Mongolia** | 1.08 | 0.56-1.65 | 10.68 | 5.54-16.32 | Region |
| **Tajikistan** | 1.08 | 0.56-1.65 | 27.68 | 14.35-42.29 | Region |
| **Turkmenistan** | 1.08 | 0.56-1.65 | 19.26 | 9.98-29.42 | Region |
| **Uzbekistan** | 0.55 | 0.49-0.62 | 57.59 | 51.4-64.33 | Country |
| **Europe, central** | 1.36 | 0.95-1.95 | 592.81 | 413.73-847.1 | REGION |
| **Albania** | 0.34 | 0.31-0.37 | 3.72 | 3.37-4.13 | Country |
| **Bosnia and Herzegovina** | 1.75 | 1.57-1.95 | 22.4 | 20.12-25.05 | Country |
| **Bulgaria** | 1.36 | 0.95-1.95 | 36.54 | 25.53-52.4 | Region |
| **Croatia** | 1.25 | 1.19-1.31 | 19.69 | 18.67-20.62 | Country |
| **Czechia** | 1.36 | 0.95-1.95 | 56.52 | 39.48-81.04 | Region |
| **Hungary** | 1.65 | 1.58-1.72 | 59.82 | 57.41-62.7 | Country |
| **Montenegro** | 1.36 | 0.95-1.95 | 3.14 | 2.19-4.5 | Region |
| **Poland** | 1.75 | 1.71-1.79 | 253.98 | 247.75-260.37 | Country |
| **Romania** | 1.06 | 1-1.13 | 77.73 | 73.12-82.63 | Country |
| **Serbia** | 1.79 | 1.72-1.87 | 59.55 | 57.09-62.09 | Country |
| **Slovakia** | 3.71 | 2.73-4.81 | 77.44 | 57.1-100.48 | Country |
| **Slovenia** | 1.36 | 0.95-1.95 | 11.23 | 7.85-16.11 | Region |
| **North Macedonia** | 1.36 | 0.95-1.95 | 10.94 | 7.64-15.68 | Region |
| **Europe, eastern** | 1.23 | 0.69-1.84 | 788.21 | 407.85-1202.98 | REGION |
| **Belarus** | 1.23 | 0.68-1.89 | 36.14 | 18.3-53 | Country |
| **Estonia** | 1.72 | 0.95-2.64 | 7.32 | 3.7-10.79 | Country |
| **Latvia** | 1.01 | 0.56-1.55 | 5.89 | 2.96-8.81 | Country |
| **Lithuania** | 0.4 | 0.22-0.62 | 3.44 | 1.71-5.21 | Country |
| **Republic of Moldova** | 1.23 | 0.69-1.84 | 18.42 | 10.33-27.56 | Region |
| **Russia** | 2.27 | 1.26-3.47 | 1004.74 | 513.34-1494.46 | Country |
| **Ukraine** | 0.89 | 0.49-1.38 | 122.81 | 61.54-181.3 | Country |
| **High income** | 2.13 | 1.55-2.85 | 8759.26 | 6357.22-11739.29 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 2.18 | 1.39-3.22 | 1623.61 | 1037.09-2402.65 | REGION |
| **Brunei Darussalam** | 2.18 | 1.39-3.22 | 3.47 | 2.21-5.13 | Region |
| **Japan** | 2.9 | 2.87-2.93 | 1469.54 | 1454.78-1484.51 | Country |
| **Republic of Korea** | 1.63 | 1.62-1.65 | 343.66 | 340.6-346.79 | Country |
| **Singapore** | 2.11 | 2.05-2.17 | 53.91 | 52.43-55.52 | Country |
| **Australasia** | 2.25 | 1.56-3.27 | 250.12 | 174.11-363.15 | REGION |
| **Australia** | 4.47 | 4.39-4.54 | 419.74 | 412.78-426.99 | Country |
| **New Zealand** | 4.04 | 3.97-4.1 | 70.03 | 68.7-71.31 | Country |
| **Europe, western** | 2.25 | 1.77-2.86 | 3745.96 | 2941.76-4764.44 | REGION |
| **Austria** | 1.44 | 1.4-1.48 | 50.8 | 49.41-52.18 | Country |
| **Belgium** | 2.7 | 2.63-2.76 | 118.86 | 115.81-121.53 | Country |
| **Cyprus** | 1.13 | 1.07-1.19 | 5.22 | 4.92-5.57 | Country |
| **Denmark** | 2.92 | 2.86-2.98 | 64.97 | 63.58-66.42 | Country |
| **Finland** | 3.88 | 3.78-3.98 | 82.78 | 80.39-84.99 | Country |
| **France** | 3.41 | 3.34-3.48 | 808.84 | 791.28-825.95 | Country |
| **Germany** | 3.25 | 3.22-3.28 | 1080.13 | 1070.26-1090.38 | Country |
| **Greece** | 0.92 | 0.87-0.96 | 37.62 | 35.74-39.56 | Country |
| **Iceland** | 7.54 | 6.46-8.61 | 9.54 | 8.14-10.94 | Country |
| **Ireland** | 2.26 | 2.16-2.36 | 39.83 | 38.11-41.61 | Country |
| **Israel** | 0.2 | 0.2-0.21 | 5.59 | 5.4-5.77 | Country |
| **Italy** | 2.55 | 2.53-2.58 | 610.75 | 604.51-617.51 | Country |
| **Luxembourg** | 2.25 | 1.77-2.86 | 5.6 | 4.41-7.12 | Region |
| **Malta** | 1.37 | 1.32-1.43 | 2.45 | 2.32-2.59 | Country |
| **Netherlands** | 4.34 | 4.24-4.46 | 288.17 | 280.7-296.25 | Country |
| **Norway** | 3.19 | 3.11-3.29 | 66.92 | 64.9-68.93 | Country |
| **Portugal** | 1.68 | 1.64-1.73 | 65.2 | 63.49-66.97 | Country |
| **Spain** | 3.45 | 3.42-3.49 | 633.53 | 626.47-640.91 | Country |
| **Sweden** | 4.46 | 4.4-4.53 | 172.64 | 170.06-175.32 | Country |
| **Switzerland** | 2.06 | 1.92-2.2 | 70.35 | 65.39-75.3 | Country |
| **United Kingdom** | 3.15 | 3.12-3.17 | 802.63 | 795.67-809.64 | Country |
| **Latin America, southern** | 2.06 | 1.22-3.02 | 467.6 | 277.34-688.02 | REGION |
| **Argentina** | 1.8 | 1.75-1.84 | 262.86 | 256.13-269.83 | Country |
| **Chile** | 2.44 | 2.39-2.49 | 169.14 | 165.47-172.67 | Country |
| **Uruguay** | 1.3 | 1.24-1.36 | 15.46 | 14.69-16.27 | Country |
| **North America, high income** | 2.29 | 1.46-3.63 | 3125.24 | 1988.24-4951.07 | REGION |
| **Canada** | 2.74 | 2.67-2.8 | 401.44 | 391.25-410.75 | Country |
| **United States of America** | 2.71 | 2.68-2.74 | 3298.6 | 3261.7-3336.95 | Country |
| **Latin America and Caribbean** | 2.05 | 1.46-2.81 | 3930.27 | 2790.34-5375.51 | SUPER-REGION |
| **Caribbean** | 2.14 | 1.36-3.22 | 286.57 | 176.44-415.99 | REGION |
| **Antigua and Barbuda** | 2.14 | 1.36-3.22 | 0.7 | 0.45-1.06 | Region |
| **Bahamas** | 2.14 | 1.36-3.22 | 2.82 | 1.79-4.24 | Region |
| **Barbados** | 1.55 | 0.99-2.65 | 1.46 | 1.36-1.57 | Country |

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|---|---|---|---|---|---|
| **Belize** | 2.14 | 1.36-3.22 | 2.54 | 1.62-3.83 | Region |
| **Cuba** | 3.26 | 2.12-5.51 | 128.89 | 121.82-136.11 | Country |
| **Dominican Republic** | 2.14 | 1.36-3.22 | 72.98 | 46.38-109.82 | Region |
| **Grenada** | 2.14 | 1.36-3.22 | 0.84 | 0.53-1.26 | Region |
| **Guyana** | 2.14 | 1.36-3.22 | 5.27 | 3.35-7.92 | Region |
| **Haiti** | 2.14 | 1.36-3.22 | 67.78 | 43.07-101.99 | Region |
| **Jamaica** | 2.14 | 1.36-3.22 | 21.29 | 13.53-32.03 | Region |
| **Puerto Rico** | 2.14 | 1.36-3.22 | 21.92 | 13.93-32.99 | Region |
| **Saint Lucia** | 2.14 | 1.36-3.22 | 1.44 | 0.91-2.16 | Region |
| **Saint Vincent and the Grenadines** | 2.14 | 1.36-3.22 | 0.84 | 0.53-1.26 | Region |
| **Suriname** | 2.14 | 1.36-3.22 | 4.01 | 2.55-6.04 | Region |
| **Trinidad and Tobago** | 1.16 | 0.74-2.01 | 5.26 | 4.79-5.72 | Country |
| **Virgin Island (US)** | 2.14 | 1.36-3.22 | 0.77 | 0.49-1.15 | Region |
| **Latin America, Andean** | 2.25 | 1.46-3.47 | 452.97 | 295.26-699.96 | REGION |
| **Bolivia** | 3.27 | 3.08-3.47 | 113.83 | 107.13-120.88 | Country |
| **Ecuador** | 2.3 | 2.22-2.38 | 127.77 | 123.3-132.43 | Country |
| **Peru** | 2.61 | 2.48-2.75 | 290.53 | 276.1-305.86 | Country |
| **Latin America, central** | 2.17 | 1.5-2.97 | 1749.9 | 1207.83-2402.56 | REGION |
| **Colombia** | 2.4 | 2.34-2.46 | 408.63 | 398.7-419 | Country |
| **Costa Rica** | 1.69 | 1.62-1.76 | 30.71 | 29.38-31.99 | Country |
| **El Salvador** | 1.28 | 1.2-1.38 | 23.88 | 22.22-25.76 | Country |
| **Guatemala** | 2.17 | 1.5-2.97 | 103.81 | 71.76-142.08 | Region |
| **Honduras** | 2.76 | 2.62-2.92 | 79.32 | 74.94-84 | Country |
| **Mexico** | 1.03 | 1.01-1.06 | 415.99 | 406.4-426.65 | Country |
| **Nicaragua** | 3.64 | 3.48-3.81 | 71.04 | 67.87-74.33 | Country |
| **Panama** | 3.15 | 3.04-3.25 | 43.9 | 42.35-45.45 | Country |
| **Venezuela (Bolivarian Republic of)** | 4 | 3.83-4.16 | 349.74 | 335.2-364.68 | Country |
| **Latin America, tropical** | 2.15 | 1.31-3.45 | 1633.88 | 995.44-2622.6 | REGION |
| **Brazil** | 1.7 | 1.67-1.73 | 1254.05 | 1233.17-1275.65 | Country |
| **Paraguay** | 3.34 | 3.17-3.49 | 74.54 | 70.96-77.91 | Country |
| **North Africa and Middle East** | 1.73 | 1.11-2.59 | 3369.7 | 2171.67-5053.31 | SUPER-REGION |
| **North Africa and the Middle East** | 1.67 | 1.24-2.2 | 3254.05 | 2420.12-4300.97 | REGION |
| **Afghanistan** | 1.67 | 1.24-2.2 | 154.72 | 114.88-203.82 | Region |
| **Algeria** | 1.04 | 0.95-1.12 | 143.08 | 131-154.84 | Country |
| **Bahrain** | 1.27 | 1.1-1.46 | 11.37 | 9.73-13 | Country |
| **Egypt** | 0.65 | 0.6-0.71 | 191.18 | 174.46-208.23 | Country |
| **Iran (Islamic Republic of)** | 1.49 | 1.46-1.52 | 430.65 | 421.02-439.93 | Country |
| **Iraq** | 1.67 | 1.24-2.2 | 174.22 | 129.36-229.51 | Region |
| **Jordan** | 1.29 | 1.19-1.39 | 37.7 | 34.87-40.81 | Country |
| **Kuwait** | 1.86 | 1.77-1.95 | 37.09 | 35.4-38.94 | Country |
| **Lebanon** | 3.03 | 2.93-3.14 | 68.4 | 66.09-70.83 | Country |

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|---|---|---|---|---|---|
| **Libya** | 1.67 | 1.24-2.2 | 36.76 | 27.29-48.42 | Region |
| **Morocco** | 2.3 | 2.21-2.38 | 269.44 | 259.74-279.19 | Country |
| **Palestine** | 0.99 | 0.6-1.5 | 13.14 | 7.92-19.89 | Country |
| **Oman** | 1.33 | 1.27-1.38 | 35.64 | 34.19-37.1 | Country |
| **Qatar** | 3.12 | 2.88-3.35 | 59.49 | 54.83-63.83 | Country |
| **Saudi Arabia** | 2.27 | 2.18-2.38 | 332.68 | 319.05-348.31 | Country |
| **Sudan** | 0.77 | 0.69-0.87 | 82.14 | 73.17-92.39 | Country |
| **Syrian Arab Republic** | 0.81 | 0.76-0.85 | 42.02 | 39.86-44.37 | Country |
| **Sudan** | 0.77 | 0.69-0.87 | 82.14 | 73.17-92.39 | Country |
| **Tunisia** | 1.72 | 1.65-1.79 | 68.22 | 65.42-71.31 | Country |
| **Turkey** | 1 | 0.97-1.03 | 277.99 | 269.94-286.03 | Country |
| **United Arab Emirates** | 9.85 | 9.02-10.76 | 579.88 | 531.19-634.15 | Country |
| **Yemen** | 1.67 | 1.24-2.2 | 125.1 | 92.89-164.8 | Region |
| **South Asia** | 1.6 | 0.83-2.48 | 9349.13 | 4867.44-14462.82 | SUPER-REGION |
| **Asia, south** | 1.44 | 0.72-2.3 | 8520.15 | 4752.58-13152.68 | REGION |
| **Bangladesh** | 2.57 | 1.62-3.75 | 1362.41 | 1291.83-1435.26 | Country |
| **Bhutan** | 1.44 | 0.72-2.3 | 3.99 | 1.99-6.37 | Region |
| **India** | 0.79 | 0.5-1.17 | 3655.72 | 3587.98-3722.55 | Country |
| **Nepal** | 0.62 | 0.39-0.92 | 46.7 | 42.09-51.42 | Country |
| **Pakistan** | 1.48 | 0.94-2.17 | 924.72 | 887.22-964.9 | Country |
| **South East Asia, east Asia, and Oceania** | 1.88 | 1.25-2.74 | 15181.31 | 10072.06-22068.34 | SUPER-REGION |
| **Asia, east** | 1.94 | 1.12-3.46 | 10820.34 | 6118.54-17561.92 | REGION |
| **China** | 1.77 | 0.98-3.42 | 9402.03 | 9297.38-9504.33 | Country |
| **Dem. People's Republic of Korea** | 1.94 | 1.12-3.46 | 175.27 | 101.19-312.6 | Region |
| **Asia, South East** | 1.66 | 1.07-2.41 | 3717.53 | 2398.92-5400.73 | REGION |
| **Cambodia** | 1.66 | 1.07-2.41 | 79.52 | 51.25-115.44 | Region |
| **Indonesia** | 0.77 | 0.73-0.82 | 691.41 | 653.94-729.69 | Country |
| **Lao People's Democratic Republic** | 1.27 | 1.06-1.48 | 26.73 | 22.4-31.33 | Country |
| **Malaysia** | 1.15 | 1.12-1.18 | 130.18 | 126.92-133.77 | Country |
| **Maldives** | 1.66 | 1.07-2.41 | 4.56 | 2.94-6.62 | Region |
| **Mauritius** | 1.66 | 1.07-2.41 | 7.81 | 5.03-11.34 | Region |
| **Myanmar** | 1.66 | 1.07-2.41 | 277.2 | 178.67-402.44 | Region |
| **Philippines** | 1.1 | 1.04-1.16 | 359.6 | 340.76-378.7 | Country |
| **Seychelles** | 1.66 | 1.07-2.41 | 0.58 | 0.38-0.85 | Region |
| **Sri Lanka** | 2.01 | 1.9-2.12 | 137.85 | 130.39-145.83 | Country |
| **Thailand** | 3.66 | 3.6-3.72 | 943.61 | 928.12-958.73 | Country |
| **Timor-Leste** | 1.66 | 1.07-2.41 | 5.67 | 3.66-8.23 | Region |
| **Vietnam** | 0.8 | 0.74-0.86 | 265.95 | 245.84-286.02 | Country |
| **Oceania** | 1.94 | 1.12-3.46 | 60.08 | 34.08-97.47 | REGION |
| **Fiji** | 1.6 | 0.71-2.13 | 4.4 | 1.99-6.59 | Country |
| **Guam** | 1.94 | 1.12-3.46 | 1.11 | 0.64-1.98 | Region |
| **Kiribati** | 1.94 | 1.12-3.46 | 0.61 | 0.35-1.09 | Region |
| **Marshall Islands** | 1.94 | 1.12-3.46 | 0.27 | 0.16-0.48 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 1.94 | 1.12-3.46 | 0.66 | 0.38-1.18 | Region |
| **Papua New Guinea** | 1.94 | 1.12-3.46 | 47.86 | 27.63-85.35 | Region |
| **Samoa** | 5.36 | 2.47-7.1 | 2.84 | 1.3-4.26 | Country |
| **Solomon Islands** | 1.94 | 1.12-3.46 | 3.32 | 1.92-5.93 | Region |
| **Tonga** | 4.16 | 1.89-5.58 | 1.13 | 0.52-1.71 | Country |
| **Vanuatu** | 1.94 | 1.12-3.46 | 1.54 | 0.89-2.74 | Region |
| **Sub-Saharan Africa** | 2 | 1.43-2.74 | 5069.39 | 3613.16-6925.17 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 2.38 | 1.56-3.84 | 701.98 | 461.57-1137.62 | REGION |
| **Angola** | 2.63 | 2.46-2.8 | 179.99 | 168.52-191.45 | Country |
| **Central African Republic** | 2.38 | 1.56-3.84 | 24.69 | 16.18-39.84 | Region |
| **Congo** | 4 | 3.13-5.06 | 61.79 | 55.79-67.82 | Country |
| **Democratic Republic of the Congo** | 3.32 | 3.1-3.56 | 639.2 | 596.12-685.4 | Country |
| **Equatorial Guinea** | 2.38 | 1.56-3.84 | 10.89 | 7.14-17.58 | Region |
| **Gabon** | 2.9 | 2.7-3.09 | 17.89 | 16.67-19.13 | Country |
| **Sub-Saharan Africa, eastern** | 1.71 | 1.02-2.43 | 1676.04 | 999.59-2383.3 | REGION |
| **Burundi** | 1.71 | 1.02-2.43 | 44.13 | 26.32-62.71 | Region |
| **Comoros** | 1.71 | 1.02-2.43 | 3.77 | 2.25-5.36 | Region |
| **Djibouti** | 1.71 | 1.02-2.43 | 5.49 | 3.27-7.8 | Region |
| **Eritrea** | 1.71 | 1.02-2.43 | 14.4 | 8.59-20.47 | Region |
| **Ethiopia** | 1.1 | 1.05-1.14 | 303.73 | 290.47-315.85 | Country |
| **Kenya** | 3.22 | 3.11-3.33 | 426.54 | 411.97-441.13 | Country |
| **Madagascar** | 1.08 | 0.91-1.26 | 72.21 | 61.09-84.49 | Country |
| **Malawi** | 1.71 | 1.02-2.43 | 71.83 | 42.85-102.08 | Region |
| **Mozambique** | 1.71 | 1.02-2.43 | 111.54 | 66.53-158.51 | Region |
| **Rwanda** | 0.35 | 0.23-0.49 | 10.83 | 7.05-15.5 | Country |
| **Somalia** | 1.71 | 1.02-2.43 | 56.76 | 33.86-80.66 | Region |
| **South Sudan** | 1.71 | 1.02-2.43 | 45.39 | 27.08-64.51 | Region |
| **Uganda** | 1.71 | 1.02-2.43 | 158.87 | 94.77-225.77 | Region |
| **United Republic of Tanzania** | 1.78 | 1.37-2.3 | 240.05 | 184.38-308.95 | Country |
| **Zambia** | 1.71 | 1.02-2.43 | 67.67 | 40.37-96.17 | Region |
| **Sub-Saharan Africa, southern** | 2.11 | 1.27-3.49 | 495.01 | 297.09-818.83 | REGION |
| **Botswana** | 2.11 | 1.27-3.49 | 13.25 | 7.97-21.91 | Region |
| **Lesotho** | 2.11 | 1.27-3.49 | 12.72 | 7.66-21.04 | Region |
| **Namibia** | 2.11 | 1.27-3.49 | 13.54 | 8.15-22.4 | Region |
| **South Africa** | 2.62 | 2.55-2.68 | 474.12 | 461.53-485.04 | Country |
| **Eswatini** | 2.11 | 1.27-3.49 | 6.04 | 3.64-9.99 | Region |
| **Zimbabwe** | 2.11 | 1.27-3.49 | 66.43 | 39.99-109.88 | Region |
| **Sub-Saharan Africa, western** | 2.14 | 1.46-3.03 | 2175.86 | 1486.51-3084.56 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 2.14 | 1.46-3.03 | 60.37 | 41.19-85.48 | Region |
| **Burkina Faso** | 2.14 | 1.46-3.03 | 97.34 | 66.41-137.83 | Region |
| **Cote d'Ivoire** | 3.46 | 3.26-3.68 | 219.81 | 206.5-233.59 | Country |
| **Cameroon** | 1.24 | 1.13-1.36 | 77.11 | 69.85-84.74 | Country |
| **Cabo Verde** | 2.14 | 1.46-3.03 | 3.76 | 2.56-5.32 | Region |
| **Chad** | 2.14 | 1.46-3.03 | 73.53 | 50.17-104.11 | Region |
| **Gambia** | 2.14 | 1.46-3.03 | 11.42 | 7.79-16.17 | Region |
| **Ghana** | 1.26 | 1.03-1.53 | 103.82 | 84.97-126 | Country |
| **Guinea** | 4.49 | 4.24-4.75 | 123.24 | 116.5-130.02 | Country |
| **Guinea-Bissau** | 2.14 | 1.46-3.03 | 9.49 | 6.48-13.44 | Region |
| **Liberia** | 2.14 | 1.46-3.03 | 26.13 | 17.83-36.99 | Region |
| **Mali** | 2.14 | 1.46-3.03 | 89.12 | 60.8-126.18 | Region |
| **Mauritania** | 2.14 | 1.46-3.03 | 24.81 | 16.92-35.12 | Region |
| **Niger** | 2.14 | 1.46-3.03 | 100.83 | 68.79-142.77 | Region |
| **Nigeria** | 3.1 | 3-3.21 | 1473.59 | 1425.46-1523.14 | Country |
| **Sao Tome and Principe** | 2.14 | 1.46-3.03 | 1.09 | 0.74-1.54 | Region |
| **Senegal** | 2.14 | 1.46-3.03 | 78.49 | 53.55-111.13 | Region |
| **Sierra Leone** | 2.14 | 1.46-3.03 | 41.3 | 28.18-58.48 | Region |
| **Togo** | 2.1 | 1.94-2.28 | 41.72 | 38.63-45.29 | Country |

**Table S19. Estimated self-reported period prevalence of AD for the overall population.**

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 4.13 | 2.92-5.5 | 321830.9 | 227849.66-428393.42 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 2.92 | 1.88-4.36 | 12196.09 | 7850.82-18176.52 | SUPER-REGION |
| **Asia, central** | 2.57 | 1.34-3.87 | 2433.19 | 1271.96-3670.02 | REGION |
| **Armenia** | 2.57 | 1.34-3.87 | 76.15 | 39.7-114.67 | Region |
| **Azerbaijan** | 2.57 | 1.34-3.87 | 260.57 | 135.86-392.38 | Region |
| **Georgia** | 1.44 | 1.37-1.51 | 57.45 | 54.76-60.5 | Country |
| **Kazakhstan** | 2.57 | 1.34-3.87 | 482.56 | 251.6-726.65 | Region |
| **Kyrgyzstan** | 1.17 | 1.09-1.25 | 76.31 | 70.95-81.84 | Country |
| **Mongolia** | 2.57 | 1.34-3.87 | 84.25 | 43.93-126.87 | Region |
| **Tajikistan** | 2.57 | 1.34-3.87 | 245.12 | 127.8-369.11 | Region |
| **Turkmenistan** | 2.57 | 1.34-3.87 | 155 | 80.82-233.4 | Region |
| **Uzbekistan** | 1.33 | 1.18-1.48 | 443.46 | 396.34-496.13 | Country |
| **Europe, central** | 2.84 | 1.99-4.04 | 3230.4 | 2261.63-4584.41 | REGION |
| **Albania** | 0.74 | 0.68-0.81 | 21.3 | 19.47-23.35 | Country |
| **Bosnia and Herzegovina** | 3.62 | 3.27-4.01 | 118.68 | 107.02-131.56 | Country |
| **Bulgaria** | 2.84 | 1.99-4.04 | 197.33 | 138.27-280.71 | Region |
| **Croatia** | 2.6 | 2.48-2.72 | 106.81 | 101.72-111.87 | Country |
| **Czechia** | 2.84 | 1.99-4.04 | 304.12 | 213.1-432.63 | Region |
| **Hungary** | 3.4 | 3.26-3.56 | 328.86 | 315.41-343.38 | Country |
| **Montenegro** | 2.84 | 1.99-4.04 | 17.84 | 12.5-25.37 | Region |
| **Poland** | 3.62 | 3.54-3.71 | 1371.7 | 1340.32-1403.22 | Country |
| **Romania** | 2.24 | 2.11-2.37 | 430.61 | 406.24-455.53 | Country |
| **Serbia** | 3.75 | 3.6-3.91 | 327.81 | 314.42-341.96 | Country |
| **Slovakia** | 7.5 | 5.61-9.6 | 409.62 | 307.01-524.34 | Country |
| **Slovenia** | 2.84 | 1.99-4.04 | 59.04 | 41.37-83.98 | Region |
| **North Macedonia** | 2.84 | 1.99-4.04 | 59.17 | 41.46-84.17 | Region |
| **Europe, eastern** | 2.63 | 1.47-3.91 | 4839.06 | 2527.68-7307.03 | REGION |
| **Belarus** | 2.62 | 1.46-3.97 | 217.91 | 111.77-318.94 | Country |
| **Estonia** | 3.61 | 2.01-5.49 | 42.17 | 21.71-60.84 | Country |
| **Latvia** | 2.13 | 1.19-3.28 | 35.42 | 17.76-52.96 | Country |
| **Lithuania** | 0.84 | 0.47-1.31 | 20.21 | 9.94-30.49 | Country |
| **Republic of Moldova** | 2.63 | 1.47-3.91 | 106.09 | 59.3-157.72 | Region |
| **Russia** | 4.81 | 2.7-7.21 | 6195.45 | 3214.4-9079.22 | Country |
| **Ukraine** | 1.89 | 1.05-2.9 | 725.93 | 367.75-1062.57 | Country |
| **High income** | 4.46 | 3.25-5.94 | 48433.7 | 35269.47-64402.37 | SUPER-REGION |

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|---|---|---|---|---|---|
| **Asia Pacific, high income** | 4.37 | 2.82-6.4 | 8045.06 | 5188.6-11769.95 | REGION |
| **Brunei Darussalam** | 4.37 | 2.82-6.4 | 19.12 | 12.34-28 | Region |
| **Japan** | 5.77 | 5.73-5.81 | 7288.39 | 7240.39-7338.43 | Country |
| **Republic of Korea** | 3.31 | 3.28-3.33 | 1694.36 | 1683.47-1705.53 | Country |
| **Singapore** | 4.22 | 4.11-4.32 | 246.74 | 240.17-252.92 | Country |
| **Australasia** | 4.82 | 3.39-6.9 | 1461.32 | 1027.61-2092.09 | REGION |
| **Australia** | 9.29 | 9.16-9.43 | 2368.86 | 2334.36-2404.2 | Country |
| **New Zealand** | 8.48 | 8.36-8.6 | 409.04 | 403.31-414.87 | Country |
| **Europe, western** | 4.67 | 3.7-5.89 | 20257.23 | 16043.93-25562.33 | REGION |
| **Austria** | 2.97 | 2.9-3.05 | 267.68 | 260.75-274.49 | Country |
| **Belgium** | 5.64 | 5.51-5.76 | 653.78 | 638.42-667.33 | Country |
| **Cyprus** | 2.41 | 2.29-2.55 | 29.11 | 27.54-30.77 | Country |
| **Denmark** | 6.06 | 5.94-6.19 | 351.1 | 343.87-358.56 | Country |
| **Finland** | 7.9 | 7.7-8.1 | 437.62 | 426.75-448.26 | Country |
| **France** | 7.12 | 6.99-7.25 | 4647.05 | 4561.39-4731.21 | Country |
| **Germany** | 6.54 | 6.49-6.59 | 5477.11 | 5432.14-5522.88 | Country |
| **Greece** | 1.9 | 1.81-1.99 | 197.56 | 187.88-207.44 | Country |
| **Iceland** | 15.08 | 13.12-17.02 | 51.46 | 44.78-58.2 | Country |
| **Ireland** | 4.92 | 4.71-5.13 | 242.73 | 232.52-253.14 | Country |
| **Israel** | 0.49 | 0.48-0.5 | 42.63 | 41.71-43.48 | Country |
| **Italy** | 5.14 | 5.09-5.2 | 3107.65 | 3076.28-3140.57 | Country |
| **Luxembourg** | 4.67 | 3.7-5.89 | 29.23 | 23.16-36.87 | Region |
| **Malta** | 2.83 | 2.72-2.93 | 12.5 | 12-12.99 | Country |
| **Netherlands** | 8.8 | 8.6-9.02 | 1508.13 | 1472.68-1545.64 | Country |
| **Norway** | 6.65 | 6.48-6.83 | 360.36 | 351.26-370.16 | Country |
| **Portugal** | 3.45 | 3.37-3.54 | 351.35 | 342.99-360.38 | Country |
| **Spain** | 6.95 | 6.89-7.01 | 3247.16 | 3218.56-3275.59 | Country |
| **Sweden** | 9.12 | 9.02-9.23 | 921.3 | 910.48-931.72 | Country |
| **Switzerland** | 4.25 | 3.97-4.53 | 367.31 | 343.4-391.82 | Country |
| **United Kingdom** | 6.56 | 6.51-6.6 | 4449.38 | 4419.92-4480.11 | Country |
| **Latin America, southern** | 4.6 | 2.76-6.65 | 3116.6 | 1870.21-4508.11 | REGION |
| **Argentina** | 4.11 | 4.01-4.21 | 1856 | 1811.42-1900.54 | Country |
| **Chile** | 5.25 | 5.15-5.35 | 1004.07 | 984.88-1022.63 | Country |
| **Uruguay** | 2.88 | 2.74-3.01 | 99.87 | 94.9-104.5 | Country |
| **North America, high income** | 4.87 | 3.13-7.6 | 17950.63 | 11549.65-28035.97 | REGION |
| **Canada** | 5.64 | 5.51-5.76 | 2128.47 | 2078.78-2175 | Country |
| **United States of America** | 5.75 | 5.7-5.8 | 19035.1 | 18864.56-19207.23 | Country |
| **Latin America and Caribbean** | 4.67 | 3.35-6.3 | 27286.93 | 19554.23-36813.47 | SUPER-REGION |
| **Caribbean** | 4.85 | 3.14-7.21 | 1975.37 | 1225.47-2828.71 | REGION |
| **Antigua and Barbuda** | 4.85 | 3.14-7.21 | 4.75 | 3.07-7.06 | Region |
| **Bahamas** | 4.85 | 3.14-7.21 | 19.07 | 12.35-28.35 | Region |
| **Barbados** | 3.3 | 2.14-5.59 | 8.59 | 8.15-9.04 | Country |

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|---|---|---|---|---|---|
| **Belize** | 4.85 | 3.14-7.21 | 19.28 | 12.48-28.67 | Region |
| **Cuba** | 6.69 | 4.44-11.01 | 690.1 | 653.89-726.15 | Country |
| **Dominican Republic** | 4.85 | 3.14-7.21 | 526.01 | 340.55-781.96 | Region |
| **Grenada** | 4.85 | 3.14-7.21 | 5.46 | 3.53-8.11 | Region |
| **Guyana** | 4.85 | 3.14-7.21 | 38.14 | 24.69-56.7 | Region |
| **Haiti** | 4.85 | 3.14-7.21 | 553.01 | 358.03-822.1 | Region |
| **Jamaica** | 4.85 | 3.14-7.21 | 143.61 | 92.97-213.48 | Region |
| **Puerto Rico** | 4.85 | 3.14-7.21 | 138.67 | 89.78-206.15 | Region |
| **Saint Lucia** | 4.85 | 3.14-7.21 | 8.9 | 5.76-13.24 | Region |
| **Saint Vincent and the Grenadines** | 4.85 | 3.14-7.21 | 5.38 | 3.48-8 | Region |
| **Suriname** | 4.85 | 3.14-7.21 | 28.45 | 18.42-42.29 | Region |
| **Trinidad and Tobago** | 2.55 | 1.65-4.37 | 32.25 | 29.49-34.9 | Country |
| **Virgin Island (US)** | 4.85 | 3.14-7.21 | 5.06 | 3.28-7.53 | Region |
| **Latin America, Andean** | 5.18 | 3.43-7.85 | 3226.55 | 2134.07-4886.92 | REGION |
| **Bolivia** | 7.71 | 7.28-8.14 | 899.52 | 849.1-950.68 | Country |
| **Ecuador** | 5.36 | 5.19-5.54 | 945.27 | 915.91-977.77 | Country |
| **Peru** | 5.89 | 5.6-6.18 | 1940.38 | 1846.05-2039.11 | Country |
| **Latin America, central** | 5.01 | 3.51-6.79 | 12948.08 | 9086.53-17559.27 | REGION |
| **Colombia** | 5.35 | 5.23-5.48 | 2723.3 | 2661.73-2785.83 | Country |
| **Costa Rica** | 3.74 | 3.6-3.87 | 190.32 | 183.64-197.15 | Country |
| **El Salvador** | 3.04 | 2.84-3.27 | 197.45 | 184.17-212.35 | Country |
| **Guatemala** | 5.01 | 3.51-6.79 | 897.55 | 628.82-1216.44 | Region |
| **Honduras** | 6.62 | 6.28-6.98 | 655.34 | 622.15-691.75 | Country |
| **Mexico** | 2.43 | 2.37-2.48 | 3129.41 | 3059.93-3200.44 | Country |
| **Nicaragua** | 8.45 | 8.12-8.81 | 559.78 | 538.07-583.16 | Country |
| **Panama** | 7.17 | 6.95-7.38 | 309.07 | 299.49-318.32 | Country |
| **Venezuela (Bolivarian Republic of)** | 9.06 | 8.73-9.39 | 2575.4 | 2480.93-2670 | Country |
| **Latin America, tropical** | 4.75 | 2.94-7.51 | 10424.02 | 6448.35-16492.18 | REGION |
| **Brazil** | 3.78 | 3.72-3.83 | 8026.22 | 7913.97-8143.85 | Country |
| **Paraguay** | 7.74 | 7.4-8.08 | 552.27 | 528.8-576.22 | Country |
| **North Africa and Middle East** | 4.13 | 2.69-6.11 | 25646.48 | 16728.19-37938.49 | SUPER-REGION |
| **North Africa and the Middle East** | 3.99 | 3-5.23 | 24811.62 | 18623.31-32502.77 | REGION |
| **Afghanistan** | 3.99 | 3-5.23 | 1553.24 | 1167.85-2035.95 | Region |
| **Algeria** | 2.49 | 2.29-2.69 | 1093.46 | 1005.34-1181.3 | Country |
| **Bahrain** | 2.68 | 2.32-3.06 | 45.61 | 39.55-52.12 | Country |
| **Egypt** | 1.63 | 1.5-1.78 | 1671.98 | 1529.86-1820.78 | Country |
| **Iran (Islamic Republic of)** | 3.39 | 3.32-3.45 | 2846.26 | 2790.44-2902.45 | Country |
| **Iraq** | 3.99 | 3-5.23 | 1604.87 | 1206.67-2103.63 | Region |
| **Jordan** | 3.2 | 2.97-3.45 | 326.7 | 303.2-351.89 | Country |
| **Kuwait** | 3.99 | 3.82-4.18 | 170.56 | 163.11-178.64 | Country |
| **Lebanon** | 6.84 | 6.63-7.06 | 467.16 | 452.64-482.11 | Country |

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|---|---|---|---|---|---|
| **Libya** | 3.99 | 3-5.23 | 274.16 | 206.14-359.37 | Region |
| **Morocco** | 5.3 | 5.13-5.48 | 1956.79 | 1893.71-2023.55 | Country |
| **Palestine** | 2.58 | 1.58-3.85 | 131.6 | 80.62-196.44 | Country |
| **Oman** | 2.86 | 2.75-2.97 | 146.16 | 140.42-151.93 | Country |
| **Qatar** | 6.01 | 5.55-6.42 | 173.07 | 160.42-184.85 | Country |
| **Saudi Arabia** | 5.05 | 4.85-5.28 | 1759.31 | 1687.9-1836.19 | Country |
| **Sudan** | 2.05 | 1.83-2.3 | 900.19 | 802.98-1010.09 | Country |
| **Syrian Arab Republic** | 1.98 | 1.88-2.09 | 346.57 | 329.38-365.31 | Country |
| **Sudan** | 2.05 | 1.83-2.3 | 900.19 | 802.98-1010.09 | Country |
| **Tunisia** | 3.88 | 3.74-4.04 | 459.03 | 441.69-478.06 | Country |
| **Turkey** | 2.31 | 2.25-2.37 | 1945.47 | 1893.13-1999.4 | Country |
| **United Arab Emirates** | 17.89 | 16.53-19.38 | 1769.7 | 1635.37-1916.4 | Country |
| **Yemen** | 3.99 | 3-5.23 | 1190.05 | 894.78-1559.89 | Region |
| **South Asia** | 3.77 | 2-5.79 | 67716.9 | 35869.33-103926.99 | SUPER-REGION |
| **Asia, south** | 3.41 | 1.73-5.38 | 61880.1 | 35110.05-94166.7 | REGION |
| **Bangladesh** | 5.96 | 3.83-8.55 | 9855.96 | 9365.55-10344.49 | Country |
| **Bhutan** | 3.41 | 1.73-5.38 | 26.31 | 13.35-41.51 | Region |
| **India** | 1.87 | 1.18-2.76 | 25911.88 | 25520.65-26336.84 | Country |
| **Nepal** | 1.54 | 0.96-2.26 | 449.14 | 405.37-492.3 | Country |
| **Pakistan** | 3.71 | 2.39-5.39 | 8221.98 | 7909.25-8542.77 | Country |
| **South East Asia, east Asia, and Oceania** | 4.09 | 2.73-5.87 | 89792.68 | 59910.94-128720.06 | SUPER-REGION |
| **Asia, east** | 4.1 | 2.41-7.17 | 59127.02 | 33994.38-94557.62 | REGION |
| **China** | 3.75 | 2.12-7.11 | 51518.23 | 51097.69-51928.52 | Country |
| **Dem. People's Republic of Korea** | 4.1 | 2.41-7.17 | 1056.92 | 621.26-1848.32 | Region |
| **Asia, South East** | 3.82 | 2.5-5.5 | 26211.13 | 17140.23-37720.22 | REGION |
| **Cambodia** | 3.82 | 2.5-5.5 | 638.66 | 417.97-919.54 | Region |
| **Indonesia** | 1.82 | 1.73-1.92 | 4990.59 | 4726.92-5261.23 | Country |
| **Lao People's Democratic Republic** | 3.13 | 2.63-3.64 | 227.56 | 191.54-264.58 | Country |
| **Malaysia** | 2.63 | 2.57-2.69 | 850.95 | 832.03-870.97 | Country |
| **Maldives** | 3.82 | 2.5-5.5 | 20.65 | 13.51-29.73 | Region |
| **Mauritius** | 3.82 | 2.5-5.5 | 48.58 | 31.79-69.94 | Region |
| **Myanmar** | 3.82 | 2.5-5.5 | 2078.45 | 1360.24-2992.53 | Region |
| **Philippines** | 2.68 | 2.55-2.82 | 2934.21 | 2789.59-3087.28 | Country |
| **Seychelles** | 3.82 | 2.5-5.5 | 3.76 | 2.46-5.41 | Region |
| **Sri Lanka** | 4.55 | 4.31-4.79 | 973.34 | 923.23-1026.7 | Country |
| **Thailand** | 7.57 | 7.47-7.67 | 5281.15 | 5210.84-5351.38 | Country |
| **Timor-Leste** | 3.82 | 2.5-5.5 | 50.36 | 32.96-72.51 | Region |
| **Vietnam** | 1.82 | 1.68-1.95 | 1766.75 | 1636.31-1899.62 | Country |
| **Oceania** | 4.82 | 2.84-8.37 | 539.34 | 309.98-858.32 | REGION |
| **Fiji** | 3.8 | 1.72-5.03 | 33.15 | 15.12-49.41 | Country |
| **Guam** | 4.82 | 2.84-8.37 | 8.13 | 4.79-14.13 | Region |
| **Kiribati** | 4.82 | 2.84-8.37 | 5.76 | 3.39-10 | Region |
| **Marshall Islands** | 4.82 | 2.84-8.37 | 2.69 | 1.59-4.67 | Region |

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|---|---|---|---|---|---|
| **Micronesia (Fed. States of)** | 4.82 | 2.84-8.37 | 5.54 | 3.27-9.63 | Region |
| **Papua New Guinea** | 4.82 | 2.84-8.37 | 431.25 | 254.1-748.87 | Region |
| **Samoa** | 12.67 | 6.18-16.39 | 24.52 | 12.05-35.23 | Country |
| **Solomon Islands** | 4.82 | 2.84-8.37 | 33.11 | 19.51-57.49 | Region |
| **Tonga** | 9.98 | 4.75-13.09 | 10.28 | 4.96-15.07 | Country |
| **Vanuatu** | 4.82 | 2.84-8.37 | 14.8 | 8.72-25.71 | Region |
| **Sub-Saharan Africa** | 5.27 | 3.8-7.09 | 57487.63 | 41481.62-77438.98 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 6.32 | 4.23-9.95 | 8618 | 5769.5-13570.71 | REGION |
| **Angola** | 7.02 | 6.6-7.45 | 2307.6 | 2170.75-2448.31 | Country |
| **Central African Republic** | 6.32 | 4.23-9.95 | 305.24 | 204.3-480.56 | Region |
| **Congo** | 10.03 | 8.01-12.47 | 641 | 581.37-697.13 | Country |
| **Democratic Republic of the Congo** | 8.7 | 8.16-9.27 | 7792.04 | 7313.95-8302.54 | Country |
| **Equatorial Guinea** | 6.32 | 4.23-9.95 | 88.67 | 59.35-139.6 | Region |
| **Gabon** | 7.15 | 6.7-7.62 | 159.23 | 149.03-169.64 | Country |
| **Sub-Saharan Africa, eastern** | 4.52 | 2.74-6.36 | 19339.65 | 11735.54-27204.99 | REGION |
| **Burundi** | 4.52 | 2.74-6.36 | 537.46 | 325.81-756.25 | Region |
| **Comoros** | 4.52 | 2.74-6.36 | 39.31 | 23.83-55.31 | Region |
| **Djibouti** | 4.52 | 2.74-6.36 | 44.66 | 27.07-62.84 | Region |
| **Eritrea** | 4.52 | 2.74-6.36 | 160.3 | 97.17-225.55 | Region |
| **Ethiopia** | 2.9 | 2.78-3.01 | 3334.52 | 3197.95-3463.91 | Country |
| **Kenya** | 8.12 | 7.87-8.38 | 4365.76 | 4232.87-4507.08 | Country |
| **Madagascar** | 2.85 | 2.42-3.32 | 788.74 | 669.82-918.98 | Country |
| **Malawi** | 4.52 | 2.74-6.36 | 864.67 | 524.16-1216.66 | Region |
| **Mozambique** | 4.52 | 2.74-6.36 | 1412.75 | 856.4-1987.85 | Region |
| **Rwanda** | 0.92 | 0.61-1.31 | 119.54 | 78.23-169.84 | Country |
| **Somalia** | 4.52 | 2.74-6.36 | 718.37 | 435.47-1010.81 | Region |
| **South Sudan** | 4.52 | 2.74-6.36 | 505.96 | 306.71-711.92 | Region |
| **Uganda** | 4.52 | 2.74-6.36 | 2067.49 | 1253.3-2909.13 | Region |
| **United Republic of Tanzania** | 4.76 | 3.69-6.06 | 2841.24 | 2203.76-3621.43 | Country |
| **Zambia** | 4.52 | 2.74-6.36 | 830.95 | 503.72-1169.22 | Region |
| **Sub-Saharan Africa, southern** | 5.1 | 3.11-8.26 | 4201.57 | 2563.92-6797.57 | REGION |
| **Botswana** | 5.1 | 3.11-8.26 | 119.93 | 73.14-194.24 | Region |
| **Lesotho** | 5.1 | 3.11-8.26 | 109.25 | 66.62-176.95 | Region |
| **Namibia** | 5.1 | 3.11-8.26 | 129.59 | 79.02-209.88 | Region |
| **South Africa** | 6.12 | 5.98-6.25 | 3626.83 | 3544.32-3703.55 | Country |
| **Eswatini** | 5.1 | 3.11-8.26 | 59.17 | 36.08-95.83 | Region |
| **Zimbabwe** | 5.1 | 3.11-8.26 | 758.01 | 462.24-1227.68 | Region |
| **Sub-Saharan Africa, western** | 5.63 | 3.89-7.89 | 25060.83 | 17321.75-35090.25 | REGION |

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|---|---|---|---|---|---|
| **Benin** | 5.63 | 3.89-7.89 | 682.53 | 471.59-956.52 | Region |
| **Burkina Faso** | 5.63 | 3.89-7.89 | 1176.85 | 813.14-1649.27 | Region |
| **Cote d'Ivoire** | 8.84 | 8.35-9.35 | 2331.12 | 2203.27-2465.95 | Country |
| **Cameroon** | 3.32 | 3.01-3.63 | 880.2 | 800.15-964.21 | Country |
| **Cabo Verde** | 5.63 | 3.89-7.89 | 31.3 | 21.63-43.87 | Region |
| **Chad** | 5.63 | 3.89-7.89 | 924.77 | 638.96-1296 | Region |
| **Gambia** | 5.63 | 3.89-7.89 | 136.06 | 94.01-190.67 | Region |
| **Ghana** | 3.23 | 2.66-3.91 | 1002.65 | 825.39-1216.34 | Country |
| **Guinea** | 11.41 | 10.82-12.01 | 1497.85 | 1421.05-1578.72 | Country |
| **Guinea-Bissau** | 5.63 | 3.89-7.89 | 110.8 | 76.56-155.28 | Region |
| **Liberia** | 5.63 | 3.89-7.89 | 284.75 | 196.74-399.05 | Region |
| **Mali** | 5.63 | 3.89-7.89 | 1140.12 | 787.76-1597.79 | Region |
| **Mauritania** | 5.63 | 3.89-7.89 | 261.78 | 180.87-366.86 | Region |
| **Niger** | 5.63 | 3.89-7.89 | 1362.83 | 941.64-1909.9 | Region |
| **Nigeria** | 8.05 | 7.8-8.28 | 16586.41 | 16070.91-17062.87 | Country |
| **Sao Tome and Principe** | 5.63 | 3.89-7.89 | 12.34 | 8.53-17.29 | Region |
| **Senegal** | 5.63 | 3.89-7.89 | 942.68 | 651.34-1321.1 | Region |
| **Sierra Leone** | 5.63 | 3.89-7.89 | 449.1 | 310.3-629.38 | Region |
| **Togo** | 5.47 | 5.08-5.93 | 452.58 | 420.12-490.19 | Country |

## Table S20. Estimated self-reported period prevalence for children.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 6.21 | 4.43-8.22 | 161111.21 | 115018.49-213278.95 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 4.7 | 3.04-6.95 | 4890.22 | 3165.42-7235.38 | SUPER-REGION |
| **Asia, central** | 3.8 | 1.99-5.7 | 1298.74 | 680.18-1949.71 | REGION |
| **Armenia** | 3.8 | 1.99-5.7 | 29.94 | 15.68-44.9 | Region |
| **Azerbaijan** | 3.8 | 1.99-5.7 | 114.82 | 60.13-172.23 | Region |
| **Georgia** | 2.32 | 2.21-2.43 | 23.74 | 22.61-24.93 | Country |
| **Kazakhstan** | 3.8 | 1.99-5.7 | 250.38 | 131.12-375.57 | Region |
| **Kyrgyzstan** | 1.69 | 1.57-1.81 | 44.36 | 41.3-47.64 | Country |
| **Mongolia** | 3.8 | 1.99-5.7 | 47.04 | 24.63-70.56 | Region |
| **Tajikistan** | 3.8 | 1.99-5.7 | 165.91 | 86.88-248.86 | Region |
| **Turkmenistan** | 3.8 | 1.99-5.7 | 88.98 | 46.6-133.48 | Region |
| **Uzbekistan** | 1.97 | 1.76-2.2 | 239.5 | 214.35-267.97 | Country |
| **Europe, central** | 4.76 | 3.35-6.7 | 1093.21 | 769.67-1541.77 | REGION |
| **Albania** | 1.21 | 1.11-1.34 | 8.45 | 7.7-9.27 | Country |
| **Bosnia and Herzegovina** | 6.07 | 5.49-6.71 | 38.92 | 35.16-43.06 | Country |
| **Bulgaria** | 4.76 | 3.35-6.7 | 63.56 | 44.73-89.46 | Region |
| **Croatia** | 4.39 | 4.18-4.59 | 34.88 | 33.17-36.52 | Country |
| **Czechia** | 4.76 | 3.35-6.7 | 103.53 | 72.86-145.72 | Region |
| **Hungary** | 5.71 | 5.48-5.95 | 107.26 | 103-111.85 | Country |
| **Montenegro** | 4.76 | 3.35-6.7 | 7.26 | 5.11-10.22 | Region |
| **Poland** | 6.06 | 5.93-6.19 | 454.4 | 444.65-464.41 | Country |
| **Romania** | 3.75 | 3.54-3.95 | 149.13 | 140.91-157.49 | Country |
| **Serbia** | 6.2 | 5.96-6.45 | 115.01 | 110.64-119.66 | Country |
| **Slovakia** | 12.21 | 9.24-15.45 | 135.78 | 103-171.99 | Country |
| **Slovenia** | 4.76 | 3.35-6.7 | 19.35 | 13.62-27.24 | Region |
| **North Macedonia** | 4.76 | 3.35-6.7 | 21.94 | 15.44-30.89 | Region |
| **Europe, eastern** | 4.32 | 2.44-6.37 | 1786.31 | 935.48-2680.94 | REGION |
| **Belarus** | 4.32 | 2.42-6.49 | 78.91 | 40.41-115.03 | Country |
| **Estonia** | 5.95 | 3.34-8.99 | 14.78 | 7.67-21.44 | Country |
| **Latvia** | 3.55 | 1.98-5.42 | 12.41 | 6.34-18.47 | Country |
| **Lithuania** | 1.43 | 0.79-2.21 | 6.83 | 3.39-10.25 | Country |
| **Republic of Moldova** | 4.32 | 2.44-6.37 | 36.43 | 20.58-53.72 | Region |
| **Russia** | 7.74 | 4.4-11.49 | 2323.29 | 1216.45-3372.52 | Country |
| **Ukraine** | 3.16 | 1.75-4.84 | 249.61 | 126.41-364.19 | Country |
| **High income** | 7.29 | 5.33-9.61 | 17562.83 | 12834.5-23151.22 | SUPER-REGION |
| **Asia Pacific, high income** | 7.44 | 4.84-10.76 | 2342.33 | 1522.87-3385.65 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 7.44 | 4.84-10.76 | 9.78 | 6.36-14.14 | Region |
| **Japan** | 9.74 | 9.71-9.78 | 2090.02 | 2081.35-2098.83 | Country |
| **Republic of Korea** | 5.66 | 5.64-5.69 | 504.25 | 501.53-507.11 | Country |
| **Singapore** | 7.24 | 7.06-7.42 | 71.28 | 69.4-73.21 | Country |
| **Australasia** | 7.67 | 5.43-10.87 | 588.89 | 416.45-833.54 | REGION |
| **Australia** | 14.47 | 14.27-14.67 | 931.98 | 919.16-944.99 | Country |
| **New Zealand** | 13.22 | 13.04-13.38 | 163.9 | 161.58-166.11 | Country |
| **Europe, western** | 7.68 | 6.12-9.62 | 7010.62 | 5584.58-8775.09 | REGION |
| **Austria** | 5.01 | 4.89-5.13 | 87.69 | 85.48-89.83 | Country |
| **Belgium** | 9.13 | 8.94-9.31 | 238.88 | 233.73-243.66 | Country |
| **Cyprus** | 3.97 | 3.77-4.19 | 10.88 | 10.33-11.52 | Country |
| **Denmark** | 9.83 | 9.64-10.02 | 126.04 | 123.61-128.56 | Country |
| **Finland** | 12.76 | 12.47-13.06 | 150.01 | 146.48-153.36 | Country |
| **France** | 11.34 | 11.14-11.53 | 1747.22 | 1716.89-1776.91 | Country |
| **Germany** | 10.83 | 10.76-10.91 | 1713.18 | 1701.76-1725.3 | Country |
| **Greece** | 3.24 | 3.08-3.4 | 63.09 | 60.15-66.27 | Country |
| **Iceland** | 22.75 | 20.01-25.45 | 19.97 | 17.55-22.35 | Country |
| **Ireland** | 7.72 | 7.39-8.04 | 103.44 | 98.92-107.74 | Country |
| **Israel** | 0.74 | 0.72-0.75 | 22.71 | 22.2-23.17 | Country |
| **Italy** | 8.66 | 8.6-8.73 | 929.59 | 922.25-937.23 | Country |
| **Luxembourg** | 7.68 | 6.12-9.62 | 10.12 | 8.07-12.68 | Region |
| **Malta** | 4.8 | 4.62-4.97 | 4.03 | 3.85-4.2 | Country |
| **Netherlands** | 14.11 | 13.8-14.43 | 523.08 | 511.33-534.84 | Country |
| **Norway** | 10.67 | 10.43-10.94 | 134.15 | 130.96-137.56 | Country |
| **Portugal** | 5.84 | 5.71-5.98 | 108.39 | 105.86-111.16 | Country |
| **Spain** | 11.45 | 11.38-11.53 | 1027.52 | 1020.38-1034.9 | Country |
| **Sweden** | 14.46 | 14.31-14.6 | 335.71 | 332.11-339.11 | Country |
| **Switzerland** | 7.08 | 6.62-7.54 | 121.77 | 113.9-129.62 | Country |
| **United Kingdom** | 10.52 | 10.46-10.58 | 1650.29 | 1641.3-1660.25 | Country |
| **Latin America, southern** | 7.05 | 4.27-10.09 | 1442.73 | 872.84-2065.5 | REGION |
| **Argentina** | 6.22 | 6.08-6.37 | 906.79 | 886.26-929.62 | Country |
| **Chile** | 8.32 | 8.16-8.47 | 409.48 | 401.94-417.15 | Country |
| **Uruguay** | 4.54 | 4.34-4.74 | 43.25 | 41.13-45.22 | Country |
| **North America, high income** | 7.8 | 5.06-12 | 7015.85 | 4548.49-10795.78 | REGION |
| **Canada** | 9.25 | 9.03-9.44 | 734.38 | 716.99-750.09 | Country |
| **United States of America** | 9.15 | 9.08-9.23 | 7510.46 | 7447.17-7569.25 | Country |
| **Latin America and Caribbean** | 7.05 | 5.09-9.44 | 13314.91 | 9610.02-17827.36 | SUPER-REGION |
| **Caribbean** | 7.31 | 4.77-10.77 | 964.69 | 603.69-1374.87 | REGION |
| **Antigua and Barbuda** | 7.31 | 4.77-10.77 | 2.08 | 1.36-3.06 | Region |
| **Bahamas** | 7.31 | 4.77-10.77 | 8.59 | 5.6-12.65 | Region |
| **Barbados** | 5.37 | 3.5-8.99 | 3.28 | 3.1-3.47 | Country |
| **Belize** | 7.31 | 4.77-10.77 | 11.4 | 7.44-16.8 | Region |
| **Cuba** | 10.83 | 7.3-17.44 | 242.63 | 230.6-254.79 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 7.31 | 4.77-10.77 | 287.66 | 187.71-423.82 | Region |
| **Grenada** | 7.31 | 4.77-10.77 | 2.5 | 1.63-3.69 | Region |
| **Guyana** | 7.31 | 4.77-10.77 | 21.42 | 13.98-31.55 | Region |
| **Haiti** | 7.31 | 4.77-10.77 | 354.34 | 231.22-522.06 | Region |
| **Jamaica** | 7.31 | 4.77-10.77 | 68.08 | 44.43-100.31 | Region |
| **Puerto Rico** | 7.31 | 4.77-10.77 | 46.42 | 30.29-68.39 | Region |
| **Saint Lucia** | 7.31 | 4.77-10.77 | 3.37 | 2.2-4.97 | Region |
| **Saint Vincent and the Grenadines** | 7.31 | 4.77-10.77 | 2.44 | 1.59-3.59 | Region |
| **Suriname** | 7.31 | 4.77-10.77 | 15.14 | 9.88-22.3 | Region |
| **Trinidad and Tobago** | 4.06 | 2.65-6.9 | 13.64 | 12.54-14.78 | Country |
| **Virgin Island (US)** | 7.31 | 4.77-10.77 | 1.97 | 1.28-2.9 | Region |
| **Latin America, Andean** | 7.68 | 5.12-11.51 | 1660.6 | 1106.36-2490.86 | REGION |
| **Bolivia** | 10.92 | 10.32-11.51 | 508.97 | 481.38-536.78 | Country |
| **Ecuador** | 7.85 | 7.6-8.11 | 501.99 | 486.46-518.72 | Country |
| **Peru** | 8.88 | 8.46-9.3 | 939.19 | 894.6-985.26 | Country |
| **Latin America, central** | 7.41 | 5.23-9.98 | 6675.37 | 4708.22-8994.75 | REGION |
| **Colombia** | 8.17 | 7.99-8.35 | 1268.8 | 1240.66-1297.24 | Country |
| **Costa Rica** | 5.86 | 5.66-6.07 | 83.51 | 80.47-86.55 | Country |
| **El Salvador** | 4.5 | 4.2-4.84 | 104.14 | 97.26-112.06 | Country |
| **Guatemala** | 7.41 | 5.23-9.98 | 586.8 | 414.17-790.32 | Region |
| **Honduras** | 9.33 | 8.86-9.83 | 379.8 | 360.42-400.44 | Country |
| **Mexico** | 3.64 | 3.56-3.72 | 1619.18 | 1583.01-1655.13 | Country |
| **Nicaragua** | 12.03 | 11.58-12.52 | 307.73 | 295.88-320.06 | Country |
| **Panama** | 10.54 | 10.22-10.85 | 158.09 | 153.3-162.7 | Country |
| **Venezuela (Bolivarian Republic of)** | 13.1 | 12.64-13.56 | 1342.8 | 1296.13-1390.95 | Country |
| **Latin America, tropical** | 7.36 | 4.61-11.51 | 4631.21 | 2897.95-7247.21 | REGION |
| **Brazil** | 5.9 | 5.82-5.98 | 3554.65 | 3506.82-3603.24 | Country |
| **Paraguay** | 11.11 | 10.64-11.57 | 302.2 | 289.25-314.96 | Country |
| **North Africa and Middle East** | 5.96 | 3.92-8.77 | 14409.63 | 9466.4-21190.54 | SUPER-REGION |
| **North Africa and the Middle East** | 5.78 | 4.36-7.55 | 13951.7 | 10526.27-18250.88 | REGION |
| **Afghanistan** | 5.78 | 4.36-7.55 | 1208.61 | 911.69-1578.73 | Region |
| **Algeria** | 3.66 | 3.37-3.95 | 600.86 | 553.82-648.8 | Country |
| **Bahrain** | 4.46 | 3.87-5.07 | 17.82 | 15.51-20.32 | Country |
| **Egypt** | 2.32 | 2.12-2.52 | 1006.35 | 920.74-1096.15 | Country |
| **Iran (Islamic Republic of)** | 5.19 | 5.09-5.29 | 1365.81 | 1340.02-1391.79 | Country |
| **Iraq** | 5.78 | 4.36-7.55 | 1116.75 | 842.4-1458.73 | Region |
| **Jordan** | 4.51 | 4.19-4.84 | 197.89 | 183.56-212.83 | Country |
| **Kuwait** | 6.38 | 6.11-6.67 | 72.86 | 69.75-76.27 | Country |
| **Lebanon** | 10.17 | 9.86-10.49 | 232.51 | 225.55-239.71 | Country |
| **Libya** | 5.78 | 4.36-7.55 | 142.83 | 107.74-186.57 | Region |
| **Morocco** | 7.84 | 7.6-8.1 | 1008.01 | 975.93-1041.5 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 3.5 | 2.16-5.21 | 86.55 | 53.34-129.07 | Country |
| **Oman** | 4.65 | 4.47-4.82 | 63.36 | 60.94-65.69 | Country |
| **Qatar** | 10.43 | 9.69-11.12 | 52.06 | 48.46-55.5 | Country |
| **Saudi Arabia** | 7.77 | 7.47-8.1 | 840.42 | 807.62-875.87 | Country |
| **Sudan** | 2.74 | 2.45-3.08 | 610.75 | 544.81-684.41 | Country |
| **Syrian Arab Republic** | 2.86 | 2.72-3.01 | 199.19 | 189.3-209.87 | Country |
| **Sudan** | 2.74 | 2.45-3.08 | 610.75 | 544.81-684.41 | Country |
| **Tunisia** | 5.95 | 5.72-6.19 | 217.48 | 209.26-226.23 | Country |
| **Turkey** | 3.53 | 3.44-3.62 | 952.58 | 928.3-978.25 | Country |
| **United Arab Emirates** | 28.31 | 26.36-30.36 | 525.07 | 489.66-562.91 | Country |
| **Yemen** | 5.78 | 4.36-7.55 | 854.5 | 644.57-1116.17 | Region |
| **South Asia** | 5.54 | 2.95-8.46 | 36424.92 | 19399.46-55604.63 | SUPER-REGION |
| **Asia, south** | 5.02 | 2.56-7.85 | 33328.77 | 19039.31-50379.44 | REGION |
| **Bangladesh** | 8.71 | 5.65-12.38 | 5222 | 4967.18-5474.29 | Country |
| **Bhutan** | 5.02 | 2.56-7.85 | 13.14 | 6.7-20.55 | Region |
| **India** | 2.8 | 1.77-4.1 | 13675.11 | 13463.21-13883.6 | Country |
| **Nepal** | 2.21 | 1.39-3.26 | 257.36 | 232.62-281.77 | Country |
| **Pakistan** | 5.15 | 3.32-7.45 | 5107.81 | 4909.76-5306.72 | Country |
| **South East Asia, east Asia, and Oceania** | 6.47 | 4.34-9.18 | 37793.84 | 25378.15-53672.04 | SUPER-REGION |
| **Asia, east** | 6.64 | 3.94-11.43 | 22393.39 | 12965.9-35385.06 | REGION |
| **China** | 6.09 | 3.47-11.39 | 19542.77 | 19419.51-19656.6 | Country |
| **Dem. People's Republic of Korea** | 6.64 | 3.94-11.43 | 464.24 | 275.47-799.14 | Region |
| **Asia, South East** | 5.74 | 3.78-8.22 | 13175.6 | 8666.93-18846.61 | REGION |
| **Cambodia** | 5.74 | 3.78-8.22 | 380.6 | 250.64-545.04 | Region |
| **Indonesia** | 2.75 | 2.6-2.89 | 2587.63 | 2453.89-2728.91 | Country |
| **Lao People's Democratic Republic** | 4.44 | 3.75-5.16 | 134.74 | 113.81-156.46 | Country |
| **Malaysia** | 4.03 | 3.94-4.13 | 413.62 | 404.11-423.24 | Country |
| **Maldives** | 5.74 | 3.78-8.22 | 7.59 | 5-10.87 | Region |
| **Mauritius** | 5.74 | 3.78-8.22 | 17.68 | 11.64-25.32 | Region |
| **Myanmar** | 5.74 | 3.78-8.22 | 1087.04 | 715.85-1556.7 | Region |
| **Philippines** | 3.86 | 3.68-4.06 | 1676.65 | 1595.87-1764.1 | Country |
| **Seychelles** | 5.74 | 3.78-8.22 | 1.71 | 1.13-2.45 | Region |
| **Sri Lanka** | 6.91 | 6.56-7.28 | 465.4 | 441.3-490.61 | Country |
| **Thailand** | 12.09 | 11.93-12.23 | 1926.04 | 1901.38-1948.98 | Country |
| **Timor-Leste** | 5.74 | 3.78-8.22 | 36.66 | 24.14-52.49 | Region |
| **Vietnam** | 2.83 | 2.62-3.03 | 821.59 | 762.02-880.73 | Country |
| **Oceania** | 6.65 | 3.95-11.46 | 335.02 | 193.44-529.33 | REGION |
| **Fiji** | 5.55 | 2.54-7.31 | 18.11 | 8.37-26.82 | Country |
| **Guam** | 6.65 | 3.95-11.46 | 3.6 | 2.14-6.2 | Region |
| **Kiribati** | 6.65 | 3.95-11.46 | 3.53 | 2.1-6.08 | Region |
| **Marshall Islands** | 6.65 | 3.95-11.46 | 1.87 | 1.11-3.23 | Region |
| **Micronesia (Fed. States of)** | 6.65 | 3.95-11.46 | 3.15 | 1.87-5.43 | Region |
| **Papua New Guinea** | 6.65 | 3.95-11.46 | 270.54 | 160.7-466.22 | Region |

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|---|---|---|---|---|---|
| **Samoa** | 16.89 | 8.4-21.65 | 15.35 | 7.78-21.81 | Country |
| **Solomon Islands** | 6.65 | 3.95-11.46 | 22.94 | 13.63-39.54 | Region |
| **Tonga** | 13.5 | 6.53-17.58 | 6.34 | 3.12-9.19 | Country |
| **Vanuatu** | 6.65 | 3.95-11.46 | 9.83 | 5.84-16.94 | Region |
| **Sub-Saharan Africa** | 6.89 | 4.99-9.25 | 39764.16 | 28794.36-53392.03 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 8.08 | 5.44-12.64 | 6180.2 | 4156.92-9667.52 | REGION |
| **Angola** | 8.91 | 8.39-9.45 | 1673.88 | 1575.13-1774.87 | Country |
| **Central African Republic** | 8.08 | 5.44-12.64 | 218.18 | 146.89-341.31 | Region |
| **Congo** | 13.08 | 10.52-16.18 | 430.58 | 392.57-467.66 | Country |
| **Democratic Republic of the Congo** | 11.06 | 10.39-11.77 | 5585.15 | 5244.51-5943.78 | Country |
| **Equatorial Guinea** | 8.08 | 5.44-12.64 | 51.47 | 34.65-80.51 | Region |
| **Gabon** | 9.76 | 9.15-10.38 | 99.87 | 93.65-106.28 | Country |
| **Sub-Saharan Africa, eastern** | 5.91 | 3.6-8.3 | 13430.02 | 8181.18-18837.15 | REGION |
| **Burundi** | 5.91 | 3.6-8.3 | 389.93 | 237.52-547.61 | Region |
| **Comoros** | 5.91 | 3.6-8.3 | 25.35 | 15.44-35.6 | Region |
| **Djibouti** | 5.91 | 3.6-8.3 | 22.25 | 13.55-31.24 | Region |
| **Eritrea** | 5.91 | 3.6-8.3 | 108.29 | 65.97-152.09 | Region |
| **Ethiopia** | 3.86 | 3.7-4.01 | 2271.65 | 2179.7-2358.11 | Country |
| **Kenya** | 10.77 | 10.45-11.11 | 2882.29 | 2797.39-2972.33 | Country |
| **Madagascar** | 3.8 | 3.23-4.42 | 535.59 | 454.98-623.33 | Country |
| **Malawi** | 5.91 | 3.6-8.3 | 614.67 | 374.42-863.25 | Region |
| **Mozambique** | 5.91 | 3.6-8.3 | 1023.21 | 623.28-1437 | Region |
| **Rwanda** | 1.24 | 0.82-1.77 | 80.44 | 52.69-114.07 | Country |
| **Somalia** | 5.91 | 3.6-8.3 | 540.94 | 329.51-759.7 | Region |
| **South Sudan** | 5.91 | 3.6-8.3 | 344.41 | 209.79-483.69 | Region |
| **Uganda** | 5.91 | 3.6-8.3 | 1554.65 | 946.99-2183.35 | Region |
| **United Republic of Tanzania** | 6.17 | 4.79-7.85 | 2003.38 | 1554.41-2546.01 | Country |
| **Zambia** | 5.91 | 3.6-8.3 | 603.63 | 367.69-847.74 | Region |
| **Sub-Saharan Africa, southern** | 7.24 | 4.45-11.59 | 2426.49 | 1489.88-3883.14 | REGION |
| **Botswana** | 7.24 | 4.45-11.59 | 73.2 | 44.99-117.18 | Region |
| **Lesotho** | 7.24 | 4.45-11.59 | 65.71 | 40.39-105.19 | Region |
| **Namibia** | 7.24 | 4.45-11.59 | 85.5 | 52.55-136.87 | Region |
| **South Africa** | 8.88 | 8.69-9.06 | 1953.16 | 1910.51-1992.9 | Country |
| **Eswatini** | 7.24 | 4.45-11.59 | 40.81 | 25.08-65.33 | Region |
| **Zimbabwe** | 7.24 | 4.45-11.59 | 569.65 | 350.13-911.91 | Region |
| **Sub-Saharan Africa, western** | 7.31 | 5.07-10.19 | 17550.07 | 12163.64-24458.71 | REGION |
| **Benin** | 7.31 | 5.07-10.19 | 466.12 | 323.29-649.76 | Region |
| **Burkina Faso** | 7.31 | 5.07-10.19 | 846.62 | 587.19-1180.18 | Region |
| **Cote d'Ivoire** | 11.51 | 10.87-12.16 | 1594.97 | 1507.71-1684.78 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 4.36 | 3.96-4.78 | 611.48 | 555.31-670.09 | Country |
| **Cabo Verde** | 7.31 | 5.07-10.19 | 14.99 | 10.39-20.89 | Region |
| **Chad** | 7.31 | 5.07-10.19 | 693.81 | 481.21-967.16 | Region |
| **Gambia** | 7.31 | 5.07-10.19 | 96.43 | 66.88-134.42 | Region |
| **Ghana** | 4.41 | 3.63-5.34 | 646.87 | 533.39-784.34 | Country |
| **Guinea** | 14.56 | 13.83-15.3 | 1043.3 | 990.12-1095.81 | Country |
| **Guinea-Bissau** | 7.31 | 5.07-10.19 | 75.47 | 52.34-105.2 | Region |
| **Liberia** | 7.31 | 5.07-10.19 | 189.61 | 131.51-264.31 | Region |
| **Mali** | 7.31 | 5.07-10.19 | 860.37 | 596.73-1199.34 | Region |
| **Mauritania** | 7.31 | 5.07-10.19 | 169.25 | 117.39-235.94 | Region |
| **Niger** | 7.31 | 5.07-10.19 | 1071.58 | 743.22-1493.77 | Region |
| **Nigeria** | 10.39 | 10.07-10.68 | 11589.92 | 11234.87-11918.38 | Country |
| **Sao Tome and Principe** | 7.31 | 5.07-10.19 | 8.52 | 5.91-11.87 | Region |
| **Senegal** | 7.31 | 5.07-10.19 | 650.32 | 451.04-906.53 | Region |
| **Sierra Leone** | 7.31 | 5.07-10.19 | 299.2 | 207.52-417.08 | Region |
| **Togo** | 7.22 | 6.71-7.82 | 307.36 | 285.39-332.34 | Country |

## Table S21. Estimated self-reported period prevalence for adult.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 3.09 | 2.17-4.14 | 160719.48 | 112830.4-215096.55 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 2.33 | 1.5-3.49 | 7305.94 | 4683.67-10919.73 | SUPER-REGION |
| **Asia, central** | 1.87 | 0.98-2.84 | 1134.49 | 592.04-1720.47 | REGION |
| **Armenia** | 1.87 | 0.98-2.84 | 40.68 | 21.32-61.78 | Region |
| **Azerbaijan** | 1.87 | 0.98-2.84 | 133.1 | 69.75-202.14 | Region |
| **Georgia** | 1.14 | 1.08-1.19 | 33.73 | 32.08-35.6 | Country |
| **Kazakhstan** | 1.87 | 0.98-2.84 | 227.91 | 119.44-346.13 | Region |
| **Kyrgyzstan** | 0.82 | 0.76-0.88 | 31.96 | 29.72-34.28 | Country |
| **Mongolia** | 1.87 | 0.98-2.84 | 38.15 | 20-57.95 | Region |
| **Tajikistan** | 1.87 | 0.98-2.84 | 96.71 | 50.68-146.87 | Region |
| **Turkmenistan** | 1.87 | 0.98-2.84 | 68.99 | 36.16-104.78 | Region |
| **Uzbekistan** | 0.96 | 0.86-1.07 | 203.98 | 182.28-227.87 | Country |
| **Europe, central** | 2.36 | 1.64-3.36 | 2137.22 | 1490.3-3045.98 | REGION |
| **Albania** | 0.59 | 0.54-0.65 | 12.86 | 11.77-14.1 | Country |
| **Bosnia and Herzegovina** | 3.02 | 2.73-3.35 | 79.77 | 71.83-88.5 | Country |
| **Bulgaria** | 2.36 | 1.64-3.36 | 132.47 | 92.05-188.6 | Region |
| **Croatia** | 2.17 | 2.07-2.28 | 71.94 | 68.4-75.27 | Country |
| **Czechia** | 2.36 | 1.64-3.36 | 201.39 | 139.95-286.73 | Region |
| **Hungary** | 2.85 | 2.73-2.98 | 221.61 | 212.46-231.57 | Country |
| **Montenegro** | 2.36 | 1.64-3.36 | 11.22 | 7.8-15.98 | Region |
| **Poland** | 3.02 | 2.95-3.09 | 917.32 | 895.81-939.98 | Country |
| **Romania** | 1.85 | 1.74-1.95 | 281.5 | 265.93-297.92 | Country |
| **Serbia** | 3.09 | 2.96-3.23 | 212.81 | 204.18-222.13 | Country |
| **Slovakia** | 6.3 | 4.68-8.1 | 273.86 | 203.22-352.11 | Country |
| **Slovenia** | 2.36 | 1.64-3.36 | 39.46 | 27.42-56.19 | Region |
| **North Macedonia** | 2.36 | 1.64-3.36 | 38.29 | 26.61-54.51 | Region |
| **Europe, eastern** | 2.15 | 1.2-3.19 | 3052.78 | 1591.89-4633.13 | REGION |
| **Belarus** | 2.14 | 1.18-3.27 | 139.01 | 70.86-203.63 | Country |
| **Estonia** | 2.98 | 1.65-4.55 | 27.4 | 14-39.79 | Country |
| **Latvia** | 1.76 | 0.97-2.71 | 23.02 | 11.41-34.37 | Country |
| **Lithuania** | 0.7 | 0.38-1.09 | 13.38 | 6.5-20.24 | Country |
| **Republic of Moldova** | 2.15 | 1.2-3.19 | 68.6 | 38.29-101.78 | Region |
| **Russia** | 3.92 | 2.19-5.91 | 3872.2 | 1998.78-5710.71 | Country |
| **Ukraine** | 1.56 | 0.86-2.41 | 476.34 | 239.91-698.3 | Country |
| **High income** | 3.66 | 2.66-4.88 | 30871.01 | 22443.64-41202.2 | SUPER-REGION |
| **Asia Pacific, high income** | 3.74 | 2.41-5.5 | 5702.76 | 3667.14-8386.4 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 3.74 | 2.41-5.5 | 11.45 | 7.38-16.83 | Region |
| **Japan** | 4.95 | 4.91-5 | 5198.4 | 5154.84-5243.69 | Country |
| **Republic of Korea** | 2.81 | 2.79-2.83 | 1190.13 | 1180.05-1200.11 | Country |
| **Singapore** | 3.61 | 3.51-3.7 | 175.48 | 170.89-180.51 | Country |
| **Australasia** | 3.85 | 2.69-5.56 | 872.45 | 610.07-1257.08 | REGION |
| **Australia** | 7.54 | 7.43-7.66 | 1436.92 | 1414.67-1460.9 | Country |
| **New Zealand** | 6.85 | 6.75-6.95 | 245.15 | 241.41-249 | Country |
| **Europe, western** | 3.86 | 3.05-4.9 | 13246.7 | 10451.15-16795.8 | REGION |
| **Austria** | 2.48 | 2.42-2.55 | 180.01 | 175.22-184.7 | Country |
| **Belgium** | 4.62 | 4.51-4.72 | 414.92 | 405.03-423.98 | Country |
| **Cyprus** | 1.95 | 1.85-2.07 | 18.24 | 17.25-19.31 | Country |
| **Denmark** | 4.99 | 4.88-5.1 | 225.07 | 220.2-229.97 | Country |
| **Finland** | 6.59 | 6.42-6.76 | 287.62 | 279.62-295.18 | Country |
| **France** | 5.82 | 5.7-5.93 | 2899.87 | 2843.24-2956.98 | Country |
| **Germany** | 5.54 | 5.48-5.59 | 3763.96 | 3727.25-3800.85 | Country |
| **Greece** | 1.59 | 1.51-1.67 | 134.48 | 127.85-141.45 | Country |
| **Iceland** | 12.43 | 10.73-14.12 | 31.5 | 27.17-35.75 | Country |
| **Ireland** | 3.87 | 3.7-4.04 | 139.31 | 133.17-145.29 | Country |
| **Israel** | 0.36 | 0.35-0.36 | 19.93 | 19.44-20.42 | Country |
| **Italy** | 4.38 | 4.33-4.43 | 2178.1 | 2153.04-2204.28 | Country |
| **Luxembourg** | 3.86 | 3.05-4.9 | 19.07 | 15.07-24.21 | Region |
| **Malta** | 2.37 | 2.27-2.46 | 8.47 | 8.1-8.85 | Country |
| **Netherlands** | 7.34 | 7.16-7.53 | 985.07 | 960.75-1011.98 | Country |
| **Norway** | 5.43 | 5.29-5.59 | 226.22 | 220.22-232.63 | Country |
| **Portugal** | 2.91 | 2.84-2.99 | 242.97 | 236.95-249.54 | Country |
| **Spain** | 5.88 | 5.82-5.94 | 2219.67 | 2196.12-2242.85 | Country |
| **Sweden** | 7.53 | 7.44-7.63 | 585.61 | 577.9-593.2 | Country |
| **Switzerland** | 3.54 | 3.31-3.78 | 245.56 | 229.1-262.39 | Country |
| **United Kingdom** | 5.36 | 5.32-5.41 | 2799.12 | 2776.5-2823.68 | Country |
| **Latin America, southern** | 3.54 | 2.11-5.15 | 1673.91 | 997.63-2440.01 | REGION |
| **Argentina** | 3.1 | 3.03-3.18 | 949.24 | 926.39-973.14 | Country |
| **Chile** | 4.19 | 4.1-4.27 | 594.61 | 582.22-606.61 | Country |
| **Uruguay** | 2.25 | 2.14-2.36 | 56.63 | 53.73-59.43 | Country |
| **North America, high income** | 3.92 | 2.51-6.18 | 10934.86 | 6999.53-17229.13 | REGION |
| **Canada** | 4.68 | 4.57-4.79 | 1394.13 | 1360.31-1427.37 | Country |
| **United States of America** | 4.63 | 4.58-4.68 | 11524.73 | 11407.42-11646.51 | Country |
| **Latin America and Caribbean** | 3.53 | 2.52-4.81 | 13972.14 | 9957.24-19041.24 | SUPER-REGION |
| **Caribbean** | 3.67 | 2.35-5.51 | 1010.71 | 622.58-1460.91 | REGION |
| **Antigua and Barbuda** | 3.67 | 2.35-5.51 | 2.55 | 1.63-3.83 | Region |
| **Bahamas** | 3.67 | 2.35-5.51 | 10.12 | 6.48-15.2 | Region |
| **Barbados** | 2.67 | 1.73-4.55 | 5.32 | 5.04-5.61 | Country |
| **Belize** | 3.67 | 2.35-5.51 | 8.87 | 5.68-13.32 | Region |
| **Cuba** | 5.55 | 3.64-9.24 | 447.49 | 422.05-471.7 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 3.67 | 2.35-5.51 | 253.61 | 162.39-380.76 | Region |
| **Grenada** | 3.67 | 2.35-5.51 | 2.87 | 1.84-4.31 | Region |
| **Guyana** | 3.67 | 2.35-5.51 | 18.11 | 11.6-27.19 | Region |
| **Haiti** | 3.67 | 2.35-5.51 | 240.56 | 154.04-361.17 | Region |
| **Jamaica** | 3.67 | 2.35-5.51 | 74.48 | 47.69-111.83 | Region |
| **Puerto Rico** | 3.67 | 2.35-5.51 | 81.63 | 52.27-122.55 | Region |
| **Saint Lucia** | 3.67 | 2.35-5.51 | 5.04 | 3.23-7.57 | Region |
| **Saint Vincent and the Grenadines** | 3.67 | 2.35-5.51 | 2.85 | 1.82-4.27 | Region |
| **Suriname** | 3.67 | 2.35-5.51 | 13.93 | 8.92-20.91 | Region |
| **Trinidad and Tobago** | 2 | 1.29-3.45 | 18.62 | 16.95-20.16 | Country |
| **Virgin Island (US)** | 3.67 | 2.35-5.51 | 2.85 | 1.82-4.27 | Region |
| **Latin America, Andean** | 3.85 | 2.53-5.91 | 1565.99 | 1027.2-2405.86 | REGION |
| **Bolivia** | 5.57 | 5.26-5.9 | 390.57 | 368.62-413.58 | Country |
| **Ecuador** | 3.94 | 3.81-4.08 | 443.31 | 428.51-458.82 | Country |
| **Peru** | 4.47 | 4.25-4.7 | 1001.22 | 952.4-1052.42 | Country |
| **Latin America, central** | 3.72 | 2.6-5.08 | 6272.79 | 4377.57-8567.95 | REGION |
| **Colombia** | 4.12 | 4.02-4.22 | 1454.54 | 1421.05-1491.45 | Country |
| **Costa Rica** | 2.91 | 2.8-3.02 | 106.83 | 102.69-111.15 | Country |
| **El Salvador** | 2.24 | 2.09-2.41 | 93.33 | 87.08-100.38 | Country |
| **Guatemala** | 3.72 | 2.6-5.08 | 371.85 | 259.9-507.8 | Region |
| **Honduras** | 4.72 | 4.47-5 | 275.56 | 260.95-291.6 | Country |
| **Mexico** | 1.79 | 1.75-1.83 | 1510.27 | 1474.24-1546.87 | Country |
| **Nicaragua** | 6.2 | 5.94-6.47 | 252.08 | 241.46-263.01 | Country |
| **Panama** | 5.37 | 5.19-5.54 | 150.99 | 146.04-155.92 | Country |
| **Venezuela (Bolivarian Republic of)** | 6.78 | 6.51-7.04 | 1232.65 | 1183.04-1280.25 | Country |
| **Latin America, tropical** | 3.7 | 2.27-5.9 | 5792.89 | 3547.41-9243.83 | REGION |
| **Brazil** | 2.94 | 2.89-2.98 | 4471.61 | 4402.18-4539.71 | Country |
| **Paraguay** | 5.67 | 5.41-5.92 | 250.09 | 238.5-261.23 | Country |
| **North Africa and Middle East** | 2.96 | 1.91-4.41 | 11237.01 | 7257.91-16757.95 | SUPER-REGION |
| **North Africa and the Middle East** | 2.86 | 2.14-3.76 | 10860.05 | 8118.33-14268.31 | REGION |
| **Afghanistan** | 2.86 | 2.14-3.76 | 515.32 | 385.59-677.48 | Region |
| **Algeria** | 1.8 | 1.65-1.94 | 492.62 | 451.97-533.35 | Country |
| **Bahrain** | 2.13 | 1.85-2.44 | 27.79 | 24.04-31.71 | Country |
| **Egypt** | 1.13 | 1.03-1.23 | 665.67 | 607.89-725.5 | Country |
| **Iran (Islamic Republic of)** | 2.57 | 2.51-2.62 | 1480.48 | 1449.96-1512.21 | Country |
| **Iraq** | 2.86 | 2.14-3.76 | 597.78 | 447.29-785.89 | Region |
| **Jordan** | 2.22 | 2.05-2.39 | 128.83 | 118.95-139.15 | Country |
| **Kuwait** | 3.12 | 2.98-3.27 | 97.72 | 93.21-102.34 | Country |
| **Lebanon** | 5.17 | 5.01-5.34 | 234.67 | 227.05-242.81 | Country |
| **Libya** | 2.86 | 2.14-3.76 | 125.84 | 94.16-165.44 | Region |
| **Morocco** | 3.94 | 3.81-4.08 | 948.82 | 917.59-982.99 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 1.71 | 1.05-2.57 | 45.06 | 27.43-67.67 | Country |
| **Oman** | 2.21 | 2.12-2.3 | 82.82 | 79.54-86.14 | Country |
| **Qatar** | 5.08 | 4.69-5.44 | 121.02 | 112.08-129.5 | Country |
| **Saudi Arabia** | 3.83 | 3.67-4 | 918.93 | 881.3-961.3 | Country |
| **Sudan** | 1.34 | 1.2-1.51 | 289.47 | 258.01-325.65 | Country |
| **Syrian Arab Republic** | 1.4 | 1.33-1.47 | 147.4 | 139.98-155.3 | Country |
| **Sudan** | 1.34 | 1.2-1.51 | 289.47 | 258.01-325.65 | Country |
| **Tunisia** | 2.96 | 2.85-3.09 | 241.57 | 232.07-251.96 | Country |
| **Turkey** | 1.73 | 1.68-1.78 | 992.92 | 964.38-1022.57 | Country |
| **United Arab Emirates** | 15.49 | 14.27-16.85 | 1244.65 | 1146.75-1353.93 | Country |
| **Yemen** | 2.86 | 2.14-3.76 | 430.21 | 321.9-565.59 | Region |
| **South Asia** | 2.75 | 1.44-4.24 | 31292.18 | 16426.32-48216.97 | SUPER-REGION |
| **Asia, south** | 2.48 | 1.25-3.95 | 28551.49 | 16067.94-43769.16 | REGION |
| **Bangladesh** | 4.4 | 2.79-6.37 | 4634.01 | 4393.74-4873.28 | Country |
| **Bhutan** | 2.48 | 1.25-3.95 | 12.64 | 6.37-20.13 | Region |
| **India** | 1.37 | 0.86-2.02 | 12236.89 | 12033.9-12458.16 | Country |
| **Nepal** | 1.09 | 0.68-1.6 | 191.8 | 173.26-210.69 | Country |
| **Pakistan** | 2.55 | 1.63-3.72 | 3114.23 | 2990.84-3243.15 | Country |
| **South East Asia, east Asia, and Oceania** | 3.23 | 2.15-4.66 | 51999.05 | 34544.84-75057.49 | SUPER-REGION |
| **Asia, east** | 3.33 | 1.94-5.88 | 36733.84 | 21033.4-59123.42 | REGION |
| **China** | 3.04 | 1.7-5.81 | 31975.62 | 31632.96-32295.2 | Country |
| **Dem. People's Republic of Korea** | 3.33 | 1.94-5.88 | 625.61 | 364.47-1104.67 | Region |
| **Asia, South East** | 2.86 | 1.86-4.14 | 13035.64 | 8500.72-18893.95 | REGION |
| **Cambodia** | 2.86 | 1.86-4.14 | 288.52 | 187.64-417.65 | Region |
| **Indonesia** | 1.34 | 1.27-1.41 | 2403.01 | 2274.91-2536.76 | Country |
| **Lao People's Democratic Republic** | 2.19 | 1.84-2.55 | 92.84 | 78.08-108.05 | Country |
| **Malaysia** | 1.98 | 1.93-2.03 | 437.35 | 427.33-448.38 | Country |
| **Maldives** | 2.86 | 1.86-4.14 | 11.68 | 7.59-16.9 | Region |
| **Mauritius** | 2.86 | 1.86-4.14 | 27.56 | 17.92-39.89 | Region |
| **Myanmar** | 2.86 | 1.86-4.14 | 1014.49 | 659.77-1468.53 | Region |
| **Philippines** | 1.9 | 1.8-2 | 1257.6 | 1193.39-1326.14 | Country |
| **Seychelles** | 2.86 | 1.86-4.14 | 1.96 | 1.27-2.84 | Region |
| **Sri Lanka** | 3.46 | 3.28-3.66 | 507.96 | 480.88-536.7 | Country |
| **Thailand** | 6.23 | 6.14-6.32 | 3355.14 | 3303.51-3404.63 | Country |
| **Timor-Leste** | 2.86 | 1.86-4.14 | 19.44 | 12.65-28.15 | Region |
| **Vietnam** | 1.39 | 1.28-1.49 | 945.2 | 873.64-1019.37 | Country |
| **Oceania** | 3.33 | 1.94-5.88 | 204.34 | 117.16-328.43 | REGION |
| **Fiji** | 2.75 | 1.23-3.67 | 15.04 | 6.77-22.48 | Country |
| **Guam** | 3.33 | 1.94-5.88 | 3.82 | 2.22-6.74 | Region |
| **Kiribati** | 3.33 | 1.94-5.88 | 2.21 | 1.29-3.9 | Region |
| **Marshall Islands** | 3.33 | 1.94-5.88 | 0.92 | 0.54-1.63 | Region |
| **Micronesia (Fed. States of)** | 3.33 | 1.94-5.88 | 2.25 | 1.31-3.98 | Region |
| **Papua New Guinea** | 3.33 | 1.94-5.88 | 162.46 | 94.65-286.87 | Region |

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|---|---|---|---|---|---|
| **Samoa** | 8.94 | 4.22-11.74 | 9.18 | 4.39-13.43 | Country |
| **Solomon Islands** | 3.33 | 1.94-5.88 | 11.38 | 6.63-20.1 | Region |
| **Tonga** | 7.03 | 3.26-9.36 | 3.95 | 1.82-5.94 | Country |
| **Vanuatu** | 3.33 | 1.94-5.88 | 5.31 | 3.09-9.37 | Region |
| **Sub-Saharan Africa** | 3.44 | 2.46-4.67 | 17723.67 | 12684.74-24057.69 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 4.07 | 2.7-6.52 | 2437.86 | 1614.03-3901.79 | REGION |
| **Angola** | 4.5 | 4.23-4.78 | 633.76 | 595.85-673.31 | Country |
| **Central African Republic** | 4.07 | 2.7-6.52 | 86.67 | 57.5-138.85 | Region |
| **Congo** | 6.77 | 5.34-8.52 | 210.45 | 189.95-229.84 | Country |
| **Democratic Republic of the Congo** | 5.65 | 5.28-6.04 | 2206.96 | 2066.46-2360.62 | Country |
| **Equatorial Guinea** | 4.07 | 2.7-6.52 | 31.18 | 20.68-49.94 | Region |
| **Gabon** | 4.94 | 4.61-5.27 | 59.37 | 55.38-63.38 | Country |
| **Sub-Saharan Africa, eastern** | 2.94 | 1.77-4.17 | 5909.73 | 3559.04-8380.03 | REGION |
| **Burundi** | 2.94 | 1.77-4.17 | 155.61 | 93.69-220.72 | Region |
| **Comoros** | 2.94 | 1.77-4.17 | 12.96 | 7.8-18.38 | Region |
| **Djibouti** | 2.94 | 1.77-4.17 | 17.98 | 10.82-25.5 | Region |
| **Eritrea** | 2.94 | 1.77-4.17 | 50.39 | 30.34-71.47 | Region |
| **Ethiopia** | 1.89 | 1.82-1.97 | 1062.92 | 1017.79-1105.57 | Country |
| **Kenya** | 5.49 | 5.3-5.68 | 1483.51 | 1434.24-1534.84 | Country |
| **Madagascar** | 1.86 | 1.58-2.17 | 253.18 | 214.28-295.51 | Country |
| **Malawi** | 2.94 | 1.77-4.17 | 256.64 | 154.51-364.02 | Region |
| **Mozambique** | 2.94 | 1.77-4.17 | 409.9 | 246.78-581.39 | Region |
| **Rwanda** | 0.6 | 0.39-0.86 | 39.12 | 25.43-55.87 | Country |
| **Somalia** | 2.94 | 1.77-4.17 | 198.16 | 119.3-281.07 | Region |
| **South Sudan** | 2.94 | 1.77-4.17 | 157.76 | 94.98-223.77 | Region |
| **Uganda** | 2.94 | 1.77-4.17 | 571.41 | 344.01-810.47 | Region |
| **United Republic of Tanzania** | 3.07 | 2.36-3.94 | 837.9 | 644.3-1075.61 | Country |
| **Zambia** | 2.94 | 1.77-4.17 | 240.2 | 144.61-340.7 | Region |
| **Sub-Saharan Africa, southern** | 3.63 | 2.2-5.95 | 1775.13 | 1070.73-2907.07 | REGION |
| **Botswana** | 3.63 | 2.2-5.95 | 48.66 | 29.49-79.76 | Region |
| **Lesotho** | 3.63 | 2.2-5.95 | 44.82 | 27.16-73.46 | Region |
| **Namibia** | 3.63 | 2.2-5.95 | 49.37 | 29.92-80.92 | Region |
| **South Africa** | 4.49 | 4.38-4.59 | 1673.71 | 1634.12-1711.3 | Country |
| **Eswatini** | 3.63 | 2.2-5.95 | 21.65 | 13.12-35.49 | Region |
| **Zimbabwe** | 3.63 | 2.2-5.95 | 253.91 | 153.89-416.19 | Region |
| **Sub-Saharan Africa, western** | 3.66 | 2.52-5.18 | 7510.9 | 5158.75-10625.79 | REGION |
| **Benin** | 3.66 | 2.52-5.18 | 210.33 | 144.82-297.68 | Region |
| **Burkina Faso** | 3.66 | 2.52-5.18 | 341.17 | 234.9-482.86 | Region |
| **Cote d'Ivoire** | 5.88 | 5.54-6.23 | 736.18 | 693.11-780.44 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 2.15 | 1.94-2.35 | 268.75 | 243.81-294.75 | Country |
| **Cabo Verde** | 3.66 | 2.52-5.18 | 12.85 | 8.84-18.18 | Region |
| **Chad** | 3.66 | 2.52-5.18 | 253.8 | 174.75-359.21 | Region |
| **Gambia** | 3.66 | 2.52-5.18 | 40.17 | 27.66-56.85 | Region |
| **Ghana** | 2.17 | 1.79-2.64 | 355.81 | 292.42-432.41 | Country |
| **Guinea** | 7.62 | 7.21-8.06 | 454.58 | 429.82-480.26 | Country |
| **Guinea-Bissau** | 3.66 | 2.52-5.18 | 34.24 | 23.58-48.47 | Region |
| **Liberia** | 3.66 | 2.52-5.18 | 90.18 | 62.09-127.63 | Region |
| **Mali** | 3.66 | 2.52-5.18 | 310.41 | 213.72-439.32 | Region |
| **Mauritania** | 3.66 | 2.52-5.18 | 85.43 | 58.82-120.92 | Region |
| **Niger** | 3.66 | 2.52-5.18 | 349.44 | 240.6-494.56 | Region |
| **Nigeria** | 5.28 | 5.11-5.45 | 4996.58 | 4831.17-5159.51 | Country |
| **Sao Tome and Principe** | 3.66 | 2.52-5.18 | 3.76 | 2.59-5.32 | Region |
| **Senegal** | 3.66 | 2.52-5.18 | 287.22 | 197.76-406.51 | Region |
| **Sierra Leone** | 3.66 | 2.52-5.18 | 142.15 | 97.87-201.19 | Region |
| **Togo** | 3.61 | 3.35-3.91 | 145.24 | 134.48-157.64 | Country |

## Table S22. Estimated self-reported period prevalence of AD for female.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 4.41 | 3.13-5.87 | 170597.28 | 120832.43-226919.87 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 3.09 | 1.99-4.61 | 6747.15 | 4343.81-10048.19 | SUPER-REGION |
| **Asia, central** | 2.73 | 1.43-4.12 | 1309.61 | 685.56-1974.13 | REGION |
| **Armenia** | 2.73 | 1.43-4.12 | 42.84 | 22.44-64.66 | Region |
| **Azerbaijan** | 2.73 | 1.43-4.12 | 138.53 | 72.56-209.07 | Region |
| **Georgia** | 1.52 | 1.45-1.59 | 31.72 | 30.14-33.36 | Country |
| **Kazakhstan** | 2.73 | 1.43-4.12 | 263.82 | 138.19-398.14 | Region |
| **Kyrgyzstan** | 1.25 | 1.16-1.34 | 41.13 | 38.3-44.11 | Country |
| **Mongolia** | 2.73 | 1.43-4.12 | 45.41 | 23.78-68.53 | Region |
| **Tajikistan** | 2.73 | 1.43-4.12 | 129.18 | 67.67-194.95 | Region |
| **Turkmenistan** | 2.73 | 1.43-4.12 | 83.59 | 43.78-126.15 | Region |
| **Uzbekistan** | 1.42 | 1.27-1.58 | 237.59 | 212.44-265.42 | Country |
| **Europe, central** | 3.03 | 2.12-4.29 | 1765.38 | 1236.11-2505.64 | REGION |
| **Albania** | 0.79 | 0.72-0.87 | 11.21 | 10.22-12.28 | Country |
| **Bosnia and Herzegovina** | 3.86 | 3.49-4.27 | 64.57 | 58.23-71.49 | Country |
| **Bulgaria** | 3.03 | 2.12-4.29 | 108.3 | 75.77-153.33 | Region |
| **Croatia** | 2.77 | 2.64-2.89 | 58.79 | 55.89-61.45 | Country |
| **Czechia** | 3.03 | 2.12-4.29 | 164.72 | 115.25-233.21 | Region |
| **Hungary** | 3.61 | 3.46-3.77 | 182.65 | 175.28-190.89 | Country |
| **Montenegro** | 3.03 | 2.12-4.29 | 9.62 | 6.73-13.62 | Region |
| **Poland** | 3.86 | 3.77-3.95 | 752.31 | 735.14-769.44 | Country |
| **Romania** | 2.38 | 2.25-2.52 | 235.55 | 222.11-249.33 | Country |
| **Serbia** | 3.99 | 3.83-4.16 | 177.98 | 170.95-185.54 | Country |
| **Slovakia** | 7.97 | 5.96-10.19 | 223.2 | 167.58-285.52 | Country |
| **Slovenia** | 3.03 | 2.12-4.29 | 31.62 | 22.12-44.77 | Region |
| **North Macedonia** | 3.03 | 2.12-4.29 | 31.55 | 22.07-44.67 | Region |
| **Europe, eastern** | 2.77 | 1.56-4.11 | 2732.17 | 1429.2-4124.19 | REGION |
| **Belarus** | 2.76 | 1.54-4.19 | 122.83 | 63-179.26 | Country |
| **Estonia** | 3.81 | 2.13-5.8 | 23.47 | 12.03-33.97 | Country |
| **Latvia** | 2.25 | 1.25-3.45 | 20.09 | 10.02-29.66 | Country |
| **Lithuania** | 0.89 | 0.49-1.38 | 11.45 | 5.59-17.31 | Country |
| **Republic of Moldova** | 2.77 | 1.56-4.11 | 58.22 | 32.79-86.39 | Region |
| **Russia** | 5.05 | 2.84-7.57 | 3495.19 | 1816.17-5121.09 | Country |
| **Ukraine** | 1.99 | 1.1-3.06 | 410.63 | 207.96-602.29 | Country |
| **High income** | 4.76 | 3.47-6.32 | 26187.05 | 19084.79-34764.59 | SUPER-REGION |
| **Asia Pacific, high income** | 4.67 | 3.01-6.82 | 4352.83 | 2811.58-6366.86 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 4.67 | 3.01-6.82 | 9.83 | 6.34-14.36 | Region |
| **Japan** | 6.14 | 6.1-6.18 | 3969.58 | 3942.11-3998.06 | Country |
| **Republic of Korea** | 3.54 | 3.52-3.56 | 906.16 | 899.76-912.62 | Country |
| **Singapore** | 4.56 | 4.44-4.67 | 127.1 | 123.68-130.48 | Country |
| **Australasia** | 5.14 | 3.62-7.36 | 784.52 | 552.38-1120.74 | REGION |
| **Australia** | 9.89 | 9.75-10.04 | 1265.84 | 1247.41-1284.87 | Country |
| **New Zealand** | 9.01 | 8.88-9.13 | 220.84 | 217.53-224.01 | Country |
| **Europe, western** | 4.97 | 3.94-6.27 | 10973.91 | 8696.69-13834.35 | REGION |
| **Austria** | 3.17 | 3.09-3.25 | 144.85 | 141.09-148.41 | Country |
| **Belgium** | 6.01 | 5.87-6.14 | 351.43 | 343.38-358.96 | Country |
| **Cyprus** | 2.58 | 2.45-2.73 | 15.58 | 14.75-16.49 | Country |
| **Denmark** | 6.47 | 6.34-6.6 | 188.42 | 184.54-192.34 | Country |
| **Finland** | 8.41 | 8.21-8.62 | 236.08 | 230.15-241.9 | Country |
| **France** | 7.55 | 7.41-7.68 | 2541.88 | 2494.39-2586.94 | Country |
| **Germany** | 6.96 | 6.91-7.02 | 2949.01 | 2924.89-2973.65 | Country |
| **Greece** | 2.02 | 1.93-2.12 | 107.4 | 102.19-112.91 | Country |
| **Iceland** | 16.03 | 13.95-18.08 | 27.22 | 23.68-30.72 | Country |
| **Ireland** | 5.25 | 5.02-5.47 | 130.42 | 124.81-135.87 | Country |
| **Israel** | 0.53 | 0.52-0.54 | 22.89 | 22.36-23.4 | Country |
| **Italy** | 5.47 | 5.41-5.53 | 1696.03 | 1679.03-1714.33 | Country |
| **Luxembourg** | 4.97 | 3.94-6.27 | 15.37 | 12.19-19.4 | Region |
| **Malta** | 3.03 | 2.91-3.15 | 6.68 | 6.38-6.99 | Country |
| **Netherlands** | 9.38 | 9.16-9.61 | 806.26 | 786.96-825.76 | Country |
| **Norway** | 7.12 | 6.94-7.31 | 190.81 | 185.93-195.89 | Country |
| **Portugal** | 3.65 | 3.57-3.75 | 196.12 | 191.49-201.31 | Country |
| **Spain** | 7.39 | 7.33-7.45 | 1756.46 | 1741.16-1771.97 | Country |
| **Sweden** | 9.73 | 9.62-9.84 | 490.26 | 484.43-495.99 | Country |
| **Switzerland** | 4.54 | 4.24-4.84 | 197.82 | 184.75-210.75 | Country |
| **United Kingdom** | 6.99 | 6.94-7.03 | 2398.35 | 2382.91-2415.23 | Country |
| **Latin America, southern** | 4.89 | 2.94-7.07 | 1693.22 | 1018.54-2446.81 | REGION |
| **Argentina** | 4.36 | 4.26-4.47 | 1010.11 | 986.58-1035.09 | Country |
| **Chile** | 5.6 | 5.49-5.71 | 542.79 | 532.24-552.96 | Country |
| **Uruguay** | 3.05 | 2.91-3.2 | 54.77 | 52.2-57.27 | Country |
| **North America, high income** | 5.2 | 3.35-8.1 | 9671.8 | 6235.29-15080.92 | REGION |
| **Canada** | 6.02 | 5.88-6.15 | 1144.55 | 1116.68-1169.8 | Country |
| **United States of America** | 6.13 | 6.08-6.19 | 10253.43 | 10159.67-10343.98 | Country |
| **Latin America and Caribbean** | 4.97 | 3.57-6.7 | 14749.99 | 10577.54-19888.33 | SUPER-REGION |
| **Caribbean** | 5.16 | 3.35-7.67 | 1063.79 | 661.66-1523.43 | REGION |
| **Antigua and Barbuda** | 5.16 | 3.35-7.67 | 2.61 | 1.7-3.89 | Region |
| **Bahamas** | 5.16 | 3.35-7.67 | 10.43 | 6.77-15.5 | Region |
| **Barbados** | 3.51 | 2.27-5.93 | 4.71 | 4.47-4.99 | Country |
| **Belize** | 5.16 | 3.35-7.67 | 10.31 | 6.7-15.33 | Region |
| **Cuba** | 7.13 | 4.74-11.71 | 370.59 | 350.75-390.06 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 5.16 | 3.35-7.67 | 280.1 | 181.85-416.35 | Region |
| **Grenada** | 5.16 | 3.35-7.67 | 2.88 | 1.87-4.28 | Region |
| **Guyana** | 5.16 | 3.35-7.67 | 20.17 | 13.1-29.98 | Region |
| **Haiti** | 5.16 | 3.35-7.67 | 298.03 | 193.49-443.01 | Region |
| **Jamaica** | 5.16 | 3.35-7.67 | 76.96 | 49.96-114.39 | Region |
| **Puerto Rico** | 5.16 | 3.35-7.67 | 77.61 | 50.39-115.36 | Region |
| **Saint Lucia** | 5.16 | 3.35-7.67 | 4.81 | 3.12-7.15 | Region |
| **Saint Vincent and the Grenadines** | 5.16 | 3.35-7.67 | 2.82 | 1.83-4.2 | Region |
| **Suriname** | 5.16 | 3.35-7.67 | 15.06 | 9.78-22.38 | Region |
| **Trinidad and Tobago** | 2.72 | 1.77-4.66 | 17.46 | 16.03-18.93 | Country |
| **Virgin Island (US)** | 5.16 | 3.35-7.67 | 2.83 | 1.84-4.2 | Region |
| **Latin America, Andean** | 5.55 | 3.67-8.39 | 1731.61 | 1146.76-2619.52 | REGION |
| **Bolivia** | 8.22 | 7.76-8.68 | 478.15 | 451.99-504.69 | Country |
| **Ecuador** | 5.72 | 5.55-5.92 | 504.69 | 488.5-521.68 | Country |
| **Peru** | 6.31 | 6-6.63 | 1047.03 | 997.05-1099.95 | Country |
| **Latin America, central** | 5.32 | 3.74-7.21 | 7008.07 | 4924.81-9501.53 | REGION |
| **Colombia** | 5.69 | 5.56-5.83 | 1473.69 | 1440.89-1507.93 | Country |
| **Costa Rica** | 4 | 3.85-4.14 | 101.89 | 98.06-105.87 | Country |
| **El Salvador** | 3.2 | 2.99-3.44 | 110.28 | 103.06-118.72 | Country |
| **Guatemala** | 5.32 | 3.74-7.21 | 483.49 | 339.9-655.25 | Region |
| **Honduras** | 7.06 | 6.7-7.44 | 349.64 | 331.4-369.06 | Country |
| **Mexico** | 2.58 | 2.52-2.64 | 1700.12 | 1662.49-1737.53 | Country |
| **Nicaragua** | 8.95 | 8.6-9.32 | 300.58 | 288.82-313.17 | Country |
| **Panama** | 7.65 | 7.41-7.88 | 164.75 | 159.54-169.92 | Country |
| **Venezuela (Bolivarian Republic of)** | 9.6 | 9.25-9.95 | 1387.44 | 1336.8-1438.24 | Country |
| **Latin America, tropical** | 5.05 | 3.13-7.98 | 5638.97 | 3491.26-8906.65 | REGION |
| **Brazil** | 4.02 | 3.97-4.08 | 4349.31 | 4289.11-4412.15 | Country |
| **Paraguay** | 8.3 | 7.93-8.65 | 290.99 | 278.61-303.75 | Country |
| **North Africa and Middle East** | 4.45 | 2.91-6.57 | 13447.54 | 8791.59-19855.06 | SUPER-REGION |
| **North Africa and the Middle East** | 4.31 | 3.23-5.63 | 13012.45 | 9764.16-17018.84 | REGION |
| **Afghanistan** | 4.31 | 3.23-5.63 | 816.83 | 612.15-1067 | Region |
| **Algeria** | 2.68 | 2.46-2.89 | 581.15 | 534-628.23 | Country |
| **Bahrain** | 3.15 | 2.73-3.59 | 18.91 | 16.33-21.58 | Country |
| **Egypt** | 1.75 | 1.6-1.91 | 886.73 | 811.49-965.38 | Country |
| **Iran (Islamic Republic of)** | 3.63 | 3.56-3.7 | 1511.05 | 1481.58-1540.25 | Country |
| **Iraq** | 4.31 | 3.23-5.63 | 856.16 | 641.63-1118.38 | Region |
| **Jordan** | 3.44 | 3.2-3.7 | 173.45 | 160.72-186.87 | Country |
| **Kuwait** | 4.53 | 4.33-4.74 | 75.01 | 71.73-78.62 | Country |
| **Lebanon** | 7.3 | 7.08-7.54 | 247.46 | 239.79-255.68 | Country |
| **Libya** | 4.31 | 3.23-5.63 | 146.65 | 109.9-191.56 | Region |
| **Morocco** | 5.64 | 5.46-5.84 | 1049.58 | 1015.61-1085.19 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 2.77 | 1.7-4.13 | 69.72 | 42.81-103.89 | Country |
| **Oman** | 3.46 | 3.32-3.58 | 60 | 57.67-62.31 | Country |
| **Qatar** | 7.54 | 6.99-8.04 | 54.01 | 50.09-57.67 | Country |
| **Saudi Arabia** | 5.69 | 5.47-5.94 | 835.99 | 802.52-872.62 | Country |
| **Sudan** | 2.2 | 1.96-2.47 | 482.72 | 430.95-541.63 | Country |
| **Syrian Arab Republic** | 2.12 | 2.01-2.23 | 185.42 | 176.05-195.25 | Country |
| **Sudan** | 2.2 | 1.96-2.47 | 482.72 | 430.95-541.63 | Country |
| **Tunisia** | 4.14 | 3.98-4.31 | 246.4 | 236.93-256.91 | Country |
| **Turkey** | 2.46 | 2.39-2.53 | 1050.73 | 1022.93-1080.21 | Country |
| **United Arab Emirates** | 20.86 | 19.33-22.53 | 637.18 | 591.1-687.55 | Country |
| **Yemen** | 4.31 | 3.23-5.63 | 637.92 | 478.07-833.29 | Region |
| **South Asia** | 4.05 | 2.15-6.21 | 35146.24 | 18640.66-53857.94 | SUPER-REGION |
| **Asia, south** | 3.66 | 1.86-5.77 | 32126.39 | 18268.05-48808.42 | REGION |
| **Bangladesh** | 6.38 | 4.11-9.14 | 5219.77 | 4964.12-5476.83 | Country |
| **Bhutan** | 3.66 | 1.86-5.77 | 13.23 | 6.72-20.86 | Region |
| **India** | 2.02 | 1.27-2.97 | 13399.4 | 13191.67-13616.66 | Country |
| **Nepal** | 1.61 | 1.01-2.36 | 254.31 | 230.18-279.32 | Country |
| **Pakistan** | 3.99 | 2.57-5.78 | 4288.53 | 4126.43-4455.63 | Country |
| **South East Asia, east Asia, and Oceania** | 4.37 | 2.92-6.26 | 47212.73 | 31530.5-67627.95 | SUPER-REGION |
| **Asia, east** | 4.38 | 2.57-7.64 | 30821.72 | 17742.89-49191.07 | REGION |
| **China** | 4.01 | 2.26-7.59 | 26848.47 | 26624.27-27067.94 | Country |
| **Dem. People's Republic of Korea** | 4.38 | 2.57-7.64 | 576.85 | 338.47-1006.2 | Region |
| **Asia, South East** | 4.08 | 2.67-5.86 | 14023.83 | 9181.76-20152.62 | REGION |
| **Cambodia** | 4.08 | 2.67-5.86 | 349.11 | 228.46-501.41 | Region |
| **Indonesia** | 1.96 | 1.85-2.06 | 2657.4 | 2518.68-2801.69 | Country |
| **Lao People's Democratic Republic** | 3.35 | 2.82-3.9 | 121.5 | 102.48-141.56 | Country |
| **Malaysia** | 2.83 | 2.77-2.9 | 445.89 | 435.97-456.09 | Country |
| **Maldives** | 4.08 | 2.67-5.86 | 8.06 | 5.28-11.58 | Region |
| **Mauritius** | 4.08 | 2.67-5.86 | 26.28 | 17.2-37.75 | Region |
| **Myanmar** | 4.08 | 2.67-5.86 | 1150.13 | 752.66-1651.9 | Region |
| **Philippines** | 2.86 | 2.72-3.01 | 1562.54 | 1487.46-1644.85 | Country |
| **Seychelles** | 4.08 | 2.67-5.86 | 1.95 | 1.28-2.81 | Region |
| **Sri Lanka** | 4.82 | 4.57-5.08 | 536.99 | 509.47-566.13 | Country |
| **Thailand** | 8.02 | 7.92-8.13 | 2874.79 | 2836.23-2913.66 | Country |
| **Timor-Leste** | 4.08 | 2.67-5.86 | 26.61 | 17.41-38.22 | Region |
| **Vietnam** | 1.93 | 1.79-2.08 | 941.55 | 871.17-1012.34 | Country |
| **Oceania** | 5.17 | 3.05-8.95 | 283.32 | 163.03-449.99 | REGION |
| **Fiji** | 4.07 | 1.85-5.39 | 17.55 | 8.02-26.08 | Country |
| **Guam** | 5.17 | 3.05-8.95 | 4.32 | 2.55-7.49 | Region |
| **Kiribati** | 5.17 | 3.05-8.95 | 3.14 | 1.85-5.43 | Region |
| **Marshall Islands** | 5.17 | 3.05-8.95 | 1.41 | 0.83-2.44 | Region |
| **Micronesia (Fed. States of)** | 5.17 | 3.05-8.95 | 2.92 | 1.72-5.06 | Region |
| **Papua New Guinea** | 5.17 | 3.05-8.95 | 226.39 | 133.56-391.92 | Region |

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|---|---|---|---|---|---|
| **Samoa** | 13.54 | 6.65-17.48 | 12.64 | 6.28-18.17 | Country |
| **Solomon Islands** | 5.17 | 3.05-8.95 | 17.45 | 10.3-30.22 | Region |
| **Tonga** | 10.56 | 5.05-13.83 | 5.44 | 2.63-7.98 | Country |
| **Vanuatu** | 5.17 | 3.05-8.95 | 7.83 | 4.62-13.56 | Region |
| **Sub-Saharan Africa** | 5.63 | 4.06-7.57 | 30782.05 | 22205.9-41414.04 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 6.76 | 4.54-10.61 | 4618.91 | 3103.09-7258.45 | REGION |
| **Angola** | 7.49 | 7.05-7.95 | 1244.13 | 1171.64-1319 | Country |
| **Central African Republic** | 6.76 | 4.54-10.61 | 164.65 | 110.58-258.43 | Region |
| **Congo** | 10.7 | 8.56-13.28 | 341.77 | 310.51-371.13 | Country |
| **Democratic Republic of the Congo** | 9.29 | 8.72-9.89 | 4165.39 | 3908.24-4438.52 | Country |
| **Equatorial Guinea** | 6.76 | 4.54-10.61 | 42.09 | 28.27-66.06 | Region |
| **Gabon** | 7.7 | 7.22-8.2 | 84.17 | 78.83-89.58 | Country |
| **Sub-Saharan Africa, eastern** | 4.83 | 2.94-6.79 | 10397.12 | 6323.29-14606.96 | REGION |
| **Burundi** | 4.83 | 2.94-6.79 | 289.36 | 176.13-406.78 | Region |
| **Comoros** | 4.83 | 2.94-6.79 | 20.81 | 12.67-29.26 | Region |
| **Djibouti** | 4.83 | 2.94-6.79 | 22.65 | 13.79-31.85 | Region |
| **Eritrea** | 4.83 | 2.94-6.79 | 85.44 | 52-120.11 | Region |
| **Ethiopia** | 3.11 | 2.98-3.23 | 1786.24 | 1714.07-1854.82 | Country |
| **Kenya** | 8.66 | 8.39-8.94 | 2342.36 | 2269.5-2418.56 | Country |
| **Madagascar** | 3.05 | 2.59-3.55 | 423.8 | 359.94-494.01 | Country |
| **Malawi** | 4.83 | 2.94-6.79 | 468.31 | 285.06-658.35 | Region |
| **Mozambique** | 4.83 | 2.94-6.79 | 776.05 | 472.38-1090.96 | Region |
| **Rwanda** | 0.99 | 0.65-1.41 | 65.02 | 42.47-92.22 | Country |
| **Somalia** | 4.83 | 2.94-6.79 | 384.91 | 234.29-541.1 | Region |
| **South Sudan** | 4.83 | 2.94-6.79 | 270.03 | 164.37-379.61 | Region |
| **Uganda** | 4.83 | 2.94-6.79 | 1120.29 | 681.92-1574.9 | Region |
| **United Republic of Tanzania** | 5.09 | 3.95-6.48 | 1521.23 | 1179.48-1937.93 | Country |
| **Zambia** | 4.83 | 2.94-6.79 | 448.27 | 272.86-630.18 | Region |
| **Sub-Saharan Africa, southern** | 5.43 | 3.32-8.76 | 2282.5 | 1396.79-3686.44 | REGION |
| **Botswana** | 5.43 | 3.32-8.76 | 65.84 | 40.26-106.22 | Region |
| **Lesotho** | 5.43 | 3.32-8.76 | 58.93 | 36.03-95.07 | Region |
| **Namibia** | 5.43 | 3.32-8.76 | 71.09 | 43.47-114.69 | Region |
| **South Africa** | 6.51 | 6.37-6.65 | 1960.47 | 1916.21-2001.46 | Country |
| **Eswatini** | 5.43 | 3.32-8.76 | 32.03 | 19.59-51.68 | Region |
| **Zimbabwe** | 5.43 | 3.32-8.76 | 421.96 | 257.99-680.73 | Region |
| **Sub-Saharan Africa, western** | 6.03 | 4.17-8.42 | 13328.92 | 9224.2-18618.35 | REGION |
| **Benin** | 6.03 | 4.17-8.42 | 365.96 | 253.07-511 | Region |
| **Burkina Faso** | 6.03 | 4.17-8.42 | 630.65 | 436.12-880.61 | Region |
| **Cote d'Ivoire** | 9.48 | 8.97-10.03 | 1240 | 1171.86-1311.12 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 3.56 | 3.23-3.89 | 471.99 | 429.2-515.5 | Country |
| **Cabo Verde** | 6.03 | 4.17-8.42 | 16.7 | 11.55-23.31 | Region |
| **Chad** | 6.03 | 4.17-8.42 | 496.01 | 343.01-692.6 | Region |
| **Gambia** | 6.03 | 4.17-8.42 | 73.45 | 50.8-102.57 | Region |
| **Ghana** | 3.47 | 2.85-4.2 | 531.11 | 437.09-644.43 | Country |
| **Guinea** | 12.01 | 11.41-12.64 | 814.52 | 772.9-856.23 | Country |
| **Guinea-Bissau** | 6.03 | 4.17-8.42 | 60.62 | 41.92-84.65 | Region |
| **Liberia** | 6.03 | 4.17-8.42 | 151.66 | 104.88-211.77 | Region |
| **Mali** | 6.03 | 4.17-8.42 | 609.37 | 421.41-850.9 | Region |
| **Mauritania** | 6.03 | 4.17-8.42 | 139.57 | 96.52-194.9 | Region |
| **Niger** | 6.03 | 4.17-8.42 | 725.8 | 501.92-1013.47 | Region |
| **Nigeria** | 8.61 | 8.35-8.85 | 8751.25 | 8484.64-9002.83 | Country |
| **Sao Tome and Principe** | 6.03 | 4.17-8.42 | 6.6 | 4.57-9.22 | Region |
| **Senegal** | 6.03 | 4.17-8.42 | 516.96 | 357.5-721.86 | Region |
| **Sierra Leone** | 6.03 | 4.17-8.42 | 240.94 | 166.62-336.44 | Region |
| **Togo** | 5.85 | 5.44-6.34 | 243.43 | 225.84-263.47 | Country |

## Table S23. Estimated self-reported period prevalence of AD for female children.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 6.68 | 4.77-8.83 | 83834.66 | 59904.35-110823.86 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 5.06 | 3.28-7.46 | 2559.32 | 1659.95-3777.05 | SUPER-REGION |
| **Asia, central** | 4.1 | 2.15-6.15 | 678.67 | 356.3-1018.66 | REGION |
| **Armenia** | 4.1 | 2.15-6.15 | 15.13 | 7.94-22.7 | Region |
| **Azerbaijan** | 4.1 | 2.15-6.15 | 57.79 | 30.31-86.69 | Region |
| **Georgia** | 2.5 | 2.39-2.62 | 12.25 | 11.64-12.89 | Country |
| **Kazakhstan** | 4.1 | 2.15-6.15 | 131.2 | 68.8-196.8 | Region |
| **Kyrgyzstan** | 1.82 | 1.69-1.95 | 23.38 | 21.75-25.11 | Country |
| **Mongolia** | 4.1 | 2.15-6.15 | 25.08 | 13.15-37.63 | Region |
| **Tajikistan** | 4.1 | 2.15-6.15 | 87.06 | 45.66-130.6 | Region |
| **Turkmenistan** | 4.1 | 2.15-6.15 | 47.37 | 24.84-71.05 | Region |
| **Uzbekistan** | 2.12 | 1.9-2.37 | 125.81 | 112.44-140.67 | Country |
| **Europe, central** | 5.12 | 3.61-7.21 | 572.36 | 403.84-806.27 | REGION |
| **Albania** | 1.31 | 1.2-1.45 | 4.31 | 3.92-4.74 | Country |
| **Bosnia and Herzegovina** | 6.53 | 5.91-7.22 | 20.4 | 18.47-22.61 | Country |
| **Bulgaria** | 5.12 | 3.61-7.21 | 33.19 | 23.4-46.74 | Region |
| **Croatia** | 4.73 | 4.51-4.94 | 18.24 | 17.35-19.1 | Country |
| **Czechia** | 5.12 | 3.61-7.21 | 54.19 | 38.21-76.32 | Region |
| **Hungary** | 6.15 | 5.9-6.41 | 56.17 | 53.94-58.8 | Country |
| **Montenegro** | 5.12 | 3.61-7.21 | 3.73 | 2.63-5.26 | Region |
| **Poland** | 6.52 | 6.38-6.66 | 238.68 | 233.35-243.92 | Country |
| **Romania** | 4.04 | 3.81-4.26 | 78.12 | 73.71-82.51 | Country |
| **Serbia** | 6.67 | 6.41-6.94 | 59.8 | 57.58-62.17 | Country |
| **Slovakia** | 13.07 | 9.91-16.5 | 70.95 | 53.72-89.6 | Country |
| **Slovenia** | 5.12 | 3.61-7.21 | 10.1 | 7.12-14.23 | Region |
| **North Macedonia** | 5.12 | 3.61-7.21 | 11.42 | 8.05-16.08 | Region |
| **Europe, eastern** | 4.65 | 2.63-6.85 | 936.76 | 491.69-1405.97 | REGION |
| **Belarus** | 4.65 | 2.61-6.98 | 41.48 | 21.55-60.47 | Country |
| **Estonia** | 6.4 | 3.6-9.64 | 7.73 | 4.01-11.17 | Country |
| **Latvia** | 3.83 | 2.14-5.84 | 6.48 | 3.25-9.57 | Country |
| **Lithuania** | 1.54 | 0.86-2.39 | 3.59 | 1.78-5.44 | Country |
| **Republic of Moldova** | 4.65 | 2.63-6.85 | 19.02 | 10.76-28.02 | Region |
| **Russia** | 8.31 | 4.74-12.3 | 1216.56 | 638.17-1761.97 | Country |
| **Ukraine** | 3.4 | 1.89-5.21 | 130.58 | 66.16-190.72 | Country |
| **High income** | 7.84 | 5.73-10.31 | 9202.83 | 6732.92-12114.05 | SUPER-REGION |
| **Asia Pacific, high income** | 8 | 5.22-11.54 | 1222.6 | 797.4-1767.4 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 8 | 5.22-11.54 | 5.1 | 3.33-7.36 | Region |
| **Japan** | 10.45 | 10.42-10.5 | 1091.04 | 1086.54-1095.89 | Country |
| **Republic of Korea** | 6.09 | 6.06-6.13 | 262.67 | 261.12-264.4 | Country |
| **Singapore** | 7.78 | 7.59-7.97 | 37.13 | 36.11-38.11 | Country |
| **Australasia** | 8.24 | 5.84-11.65 | 308.25 | 218.77-435.15 | REGION |
| **Australia** | 15.47 | 15.26-15.67 | 485.39 | 478.59-492.02 | Country |
| **New Zealand** | 14.14 | 13.95-14.32 | 85.5 | 84.28-86.71 | Country |
| **Europe, western** | 8.26 | 6.58-10.32 | 3662.38 | 2919.27-4575.88 | REGION |
| **Austria** | 5.4 | 5.27-5.52 | 45.74 | 44.64-46.81 | Country |
| **Belgium** | 9.81 | 9.6-10 | 124.37 | 121.55-126.78 | Country |
| **Cyprus** | 4.28 | 4.06-4.51 | 5.68 | 5.36-6.01 | Country |
| **Denmark** | 10.54 | 10.34-10.75 | 65.9 | 64.63-67.23 | Country |
| **Finland** | 13.66 | 13.35-13.97 | 78.37 | 76.48-80.2 | Country |
| **France** | 12.14 | 11.94-12.35 | 914.96 | 898.97-930.57 | Country |
| **Germany** | 11.62 | 11.54-11.7 | 886.59 | 880.63-892.73 | Country |
| **Greece** | 3.49 | 3.33-3.66 | 33.02 | 31.44-34.69 | Country |
| **Iceland** | 24.16 | 21.3-26.96 | 10.38 | 9.17-11.62 | Country |
| **Ireland** | 8.29 | 7.93-8.63 | 54.23 | 51.92-56.42 | Country |
| **Israel** | 0.8 | 0.78-0.81 | 11.94 | 11.63-12.22 | Country |
| **Italy** | 9.31 | 9.23-9.38 | 484.05 | 479.92-487.96 | Country |
| **Luxembourg** | 8.26 | 6.58-10.32 | 5.31 | 4.23-6.64 | Region |
| **Malta** | 5.17 | 4.97-5.35 | 2.11 | 1.99-2.22 | Country |
| **Netherlands** | 15.09 | 14.76-15.43 | 272.21 | 266.02-278.2 | Country |
| **Norway** | 11.44 | 11.18-11.72 | 70.04 | 68.31-71.82 | Country |
| **Portugal** | 6.28 | 6.14-6.43 | 56.82 | 55.4-58.23 | Country |
| **Spain** | 12.28 | 12.19-12.36 | 533.59 | 529.64-537.49 | Country |
| **Sweden** | 15.46 | 15.3-15.61 | 174.67 | 172.75-176.5 | Country |
| **Switzerland** | 7.61 | 7.12-8.1 | 63.87 | 59.8-68 | Country |
| **United Kingdom** | 11.28 | 11.22-11.34 | 864.41 | 859.51-869.83 | Country |
| **Latin America, southern** | 7.57 | 4.6-10.82 | 760.76 | 461.19-1086.97 | REGION |
| **Argentina** | 6.68 | 6.54-6.85 | 478.56 | 467.61-490.33 | Country |
| **Chile** | 8.93 | 8.77-9.09 | 215.9 | 211.92-220.18 | Country |
| **Uruguay** | 4.89 | 4.67-5.11 | 22.77 | 21.73-23.88 | Country |
| **North America, high income** | 8.37 | 5.44-12.84 | 3684.31 | 2395.23-5653.48 | REGION |
| **Canada** | 9.92 | 9.69-10.12 | 384.74 | 375.54-392.74 | Country |
| **United States of America** | 9.82 | 9.74-9.9 | 3941.86 | 3908.66-3973.77 | Country |
| **Latin America and Caribbean** | 7.57 | 5.47-10.11 | 7011.41 | 5065.84-9368.6 | SUPER-REGION |
| **Caribbean** | 7.85 | 5.13-11.54 | 507.71 | 319.01-721.65 | REGION |
| **Antigua and Barbuda** | 7.85 | 5.13-11.54 | 1.1 | 0.72-1.62 | Region |
| **Bahamas** | 7.85 | 5.13-11.54 | 4.56 | 2.98-6.7 | Region |
| **Barbados** | 5.77 | 3.77-9.64 | 1.73 | 1.62-1.84 | Country |
| **Belize** | 7.85 | 5.13-11.54 | 6.04 | 3.95-8.89 | Region |
| **Cuba** | 11.6 | 7.85-18.61 | 126.5 | 120.27-132.78 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 7.85 | 5.13-11.54 | 151.38 | 98.93-222.53 | Region |
| **Grenada** | 7.85 | 5.13-11.54 | 1.31 | 0.86-1.93 | Region |
| **Guyana** | 7.85 | 5.13-11.54 | 11.27 | 7.36-16.56 | Region |
| **Haiti** | 7.85 | 5.13-11.54 | 187.48 | 122.52-275.6 | Region |
| **Jamaica** | 7.85 | 5.13-11.54 | 35.84 | 23.42-52.69 | Region |
| **Puerto Rico** | 7.85 | 5.13-11.54 | 23.89 | 15.61-35.12 | Region |
| **Saint Lucia** | 7.85 | 5.13-11.54 | 1.79 | 1.17-2.63 | Region |
| **Saint Vincent and the Grenadines** | 7.85 | 5.13-11.54 | 1.29 | 0.84-1.9 | Region |
| **Suriname** | 7.85 | 5.13-11.54 | 7.83 | 5.12-11.51 | Region |
| **Trinidad and Tobago** | 4.37 | 2.85-7.41 | 7.24 | 6.63-7.86 | Country |
| **Virgin Island (US)** | 7.85 | 5.13-11.54 | 1.03 | 0.67-1.52 | Region |
| **Latin America, Andean** | 8.23 | 5.5-12.31 | 882.97 | 590.06-1321.64 | REGION |
| **Bolivia** | 11.7 | 11.07-12.34 | 266.87 | 252.45-281.31 | Country |
| **Ecuador** | 8.43 | 8.17-8.7 | 263.8 | 255.57-272.71 | Country |
| **Peru** | 9.51 | 9.06-9.97 | 505.21 | 481.82-529.52 | Country |
| **Latin America, central** | 7.96 | 5.63-10.71 | 3508.72 | 2484.58-4720.96 | REGION |
| **Colombia** | 8.77 | 8.58-8.97 | 666.14 | 651.21-680.98 | Country |
| **Costa Rica** | 6.31 | 6.08-6.53 | 43.88 | 42.32-45.52 | Country |
| **El Salvador** | 4.85 | 4.53-5.21 | 55.01 | 51.44-59.09 | Country |
| **Guatemala** | 7.96 | 5.63-10.71 | 308.52 | 218.21-415.1 | Region |
| **Honduras** | 10.01 | 9.51-10.54 | 199.38 | 189.35-209.61 | Country |
| **Mexico** | 3.92 | 3.83-4.01 | 853.92 | 834.22-872.32 | Country |
| **Nicaragua** | 12.89 | 12.41-13.4 | 160.15 | 154.13-166.44 | Country |
| **Panama** | 11.29 | 10.96-11.62 | 82.95 | 80.43-85.45 | Country |
| **Venezuela (Bolivarian Republic of)** | 14.01 | 13.51-14.5 | 703.3 | 678.73-727.59 | Country |
| **Latin America, tropical** | 7.9 | 4.96-12.33 | 2434.89 | 1528.3-3800.62 | REGION |
| **Brazil** | 6.35 | 6.26-6.43 | 1871.56 | 1845.67-1896.95 | Country |
| **Paraguay** | 11.9 | 11.4-12.4 | 158.27 | 151.65-165.03 | Country |
| **North Africa and Middle East** | 6.41 | 4.22-9.41 | 7564.71 | 4976.53-11096.94 | SUPER-REGION |
| **North Africa and the Middle East** | 6.21 | 4.68-8.11 | 7326.18 | 5525.63-9563.97 | REGION |
| **Afghanistan** | 6.21 | 4.68-8.11 | 633.34 | 477.3-827.11 | Region |
| **Algeria** | 3.94 | 3.63-4.25 | 316.93 | 291.94-342.38 | Country |
| **Bahrain** | 4.8 | 4.17-5.47 | 9.23 | 7.99-10.53 | Country |
| **Egypt** | 2.5 | 2.29-2.72 | 526.96 | 482.93-573.63 | Country |
| **Iran (Islamic Republic of)** | 5.59 | 5.48-5.69 | 716.15 | 702.6-729.74 | Country |
| **Iraq** | 6.21 | 4.68-8.11 | 583.47 | 439.72-761.99 | Region |
| **Jordan** | 4.85 | 4.5-5.21 | 104.71 | 97.14-112.7 | Country |
| **Kuwait** | 6.89 | 6.6-7.21 | 36.21 | 34.62-37.92 | Country |
| **Lebanon** | 10.91 | 10.59-11.25 | 120.67 | 116.94-124.42 | Country |
| **Libya** | 6.21 | 4.68-8.11 | 74.73 | 56.32-97.59 | Region |
| **Morocco** | 8.43 | 8.17-8.7 | 527.63 | 511.27-545.3 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 3.77 | 2.32-5.6 | 45.63 | 28.15-67.96 | Country |
| **Oman** | 5 | 4.8-5.18 | 33.97 | 32.54-35.23 | Country |
| **Qatar** | 11.2 | 10.41-11.94 | 26.77 | 24.91-28.55 | Country |
| **Saudi Arabia** | 8.34 | 8.02-8.69 | 444.19 | 427.22-462.99 | Country |
| **Sudan** | 2.96 | 2.64-3.31 | 324.58 | 289.5-364.01 | Country |
| **Syrian Arab Republic** | 3.08 | 2.93-3.25 | 105.19 | 99.92-110.84 | Country |
| **Sudan** | 2.96 | 2.64-3.31 | 324.58 | 289.5-364.01 | Country |
| **Tunisia** | 6.4 | 6.16-6.66 | 113.27 | 108.99-117.91 | Country |
| **Turkey** | 3.8 | 3.7-3.9 | 501.66 | 488.56-514.88 | Country |
| **United Arab Emirates** | 29.94 | 27.93-32.07 | 271.44 | 253.47-290.74 | Country |
| **Yemen** | 6.21 | 4.68-8.11 | 450.21 | 339.29-587.95 | Region |
| **South Asia** | 5.97 | 3.18-9.09 | 18717.93 | 9987.6-28497.24 | SUPER-REGION |
| **Asia, south** | 5.41 | 2.76-8.44 | 17133.82 | 9813.64-25852.97 | REGION |
| **Bangladesh** | 9.35 | 6.08-13.25 | 2740.52 | 2607.99-2871.38 | Country |
| **Bhutan** | 5.41 | 2.76-8.44 | 6.96 | 3.55-10.86 | Region |
| **India** | 3.02 | 1.92-4.43 | 7006.8 | 6898.78-7113.95 | Country |
| **Nepal** | 2.39 | 1.5-3.51 | 137.24 | 124.08-150.26 | Country |
| **Pakistan** | 5.55 | 3.58-8.01 | 2646.48 | 2544.74-2748.37 | Country |
| **South East Asia, east Asia, and Oceania** | 6.97 | 4.69-9.88 | 19314.93 | 13000.47-27386.14 | SUPER-REGION |
| **Asia, east** | 7.16 | 4.25-12.28 | 11260.28 | 6533.01-17743.54 | REGION |
| **China** | 6.57 | 3.75-12.25 | 9826.5 | 9764.42-9884.12 | Country |
| **Dem. People's Republic of Korea** | 7.16 | 4.25-12.28 | 244.73 | 145.26-419.73 | Region |
| **Asia, South East** | 6.18 | 4.07-8.83 | 6898.15 | 4552.54-9858.81 | REGION |
| **Cambodia** | 6.18 | 4.07-8.83 | 201.36 | 132.61-287.71 | Region |
| **Indonesia** | 2.96 | 2.81-3.12 | 1359.84 | 1289.16-1434.47 | Country |
| **Lao People's Democratic Republic** | 4.78 | 4.04-5.55 | 71.26 | 60.16-82.63 | Country |
| **Malaysia** | 4.34 | 4.25-4.45 | 216.21 | 211.21-221.32 | Country |
| **Maldives** | 6.18 | 4.07-8.83 | 3.96 | 2.61-5.66 | Region |
| **Mauritius** | 6.18 | 4.07-8.83 | 9.34 | 6.15-13.34 | Region |
| **Myanmar** | 6.18 | 4.07-8.83 | 581.93 | 383.25-831.46 | Region |
| **Philippines** | 4.16 | 3.96-4.38 | 878.76 | 836.45-924.29 | Country |
| **Seychelles** | 6.18 | 4.07-8.83 | 0.9 | 0.59-1.28 | Region |
| **Sri Lanka** | 7.42 | 7.04-7.81 | 247.8 | 235.15-261.04 | Country |
| **Thailand** | 12.95 | 12.78-13.1 | 1002.51 | 989.71-1014.3 | Country |
| **Timor-Leste** | 6.18 | 4.07-8.83 | 19.4 | 12.78-27.72 | Region |
| **Vietnam** | 3.05 | 2.83-3.27 | 421.51 | 390.9-451.79 | Country |
| **Oceania** | 7.16 | 4.25-12.28 | 174.33 | 101.32-274.92 | REGION |
| **Fiji** | 5.97 | 2.74-7.86 | 9.5 | 4.35-14.07 | Country |
| **Guam** | 7.16 | 4.25-12.28 | 1.89 | 1.12-3.23 | Region |
| **Kiribati** | 7.16 | 4.25-12.28 | 1.85 | 1.1-3.17 | Region |
| **Marshall Islands** | 7.16 | 4.25-12.28 | 0.97 | 0.58-1.67 | Region |
| **Micronesia (Fed. States of)** | 7.16 | 4.25-12.28 | 1.65 | 0.98-2.83 | Region |
| **Papua New Guinea** | 7.16 | 4.25-12.28 | 140.84 | 83.6-241.55 | Region |

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|---|---|---|---|---|---|
| **Samoa** | 18.02 | 9.03-23.04 | 7.88 | 4-11.2 | Country |
| **Solomon Islands** | 7.16 | 4.25-12.28 | 11.96 | 7.1-20.51 | Region |
| **Tonga** | 14.44 | 7.03-18.75 | 3.26 | 1.6-4.74 | Country |
| **Vanuatu** | 7.16 | 4.25-12.28 | 5.1 | 3.03-8.75 | Region |
| **Sub-Saharan Africa** | 7.4 | 5.36-9.92 | 21101.44 | 15286.5-28290.85 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 8.66 | 5.84-13.51 | 3291.7 | 2219.13-5134.79 | REGION |
| **Angola** | 9.55 | 9-10.12 | 894.97 | 842.78-948.85 | Country |
| **Central African Republic** | 8.66 | 5.84-13.51 | 116.36 | 78.47-181.52 | Region |
| **Congo** | 13.98 | 11.25-17.25 | 227.84 | 207.46-246.93 | Country |
| **Democratic Republic of the Congo** | 11.84 | 11.13-12.6 | 2964.94 | 2785.05-3157 | Country |
| **Equatorial Guinea** | 8.66 | 5.84-13.51 | 27.22 | 18.36-42.47 | Region |
| **Gabon** | 10.46 | 9.81-11.12 | 53.04 | 49.8-56.49 | Country |
| **Sub-Saharan Africa, eastern** | 6.35 | 3.88-8.9 | 7151.01 | 4366.18-10015.14 | REGION |
| **Burundi** | 6.35 | 3.88-8.9 | 208.18 | 127.2-291.78 | Region |
| **Comoros** | 6.35 | 3.88-8.9 | 13.38 | 8.17-18.75 | Region |
| **Djibouti** | 6.35 | 3.88-8.9 | 11.32 | 6.92-15.87 | Region |
| **Eritrea** | 6.35 | 3.88-8.9 | 56.96 | 34.81-79.84 | Region |
| **Ethiopia** | 4.15 | 3.99-4.32 | 1207.99 | 1158.59-1254.39 | Country |
| **Kenya** | 11.53 | 11.19-11.89 | 1530.9 | 1485.37-1578.53 | Country |
| **Madagascar** | 4.09 | 3.47-4.75 | 285.87 | 243.12-333.11 | Country |
| **Malawi** | 6.35 | 3.88-8.9 | 328.12 | 200.49-459.89 | Region |
| **Mozambique** | 6.35 | 3.88-8.9 | 549.14 | 335.54-769.67 | Region |
| **Rwanda** | 1.34 | 0.88-1.91 | 43.26 | 28.25-61.5 | Country |
| **Somalia** | 6.35 | 3.88-8.9 | 288.82 | 176.47-404.8 | Region |
| **South Sudan** | 6.35 | 3.88-8.9 | 182.83 | 111.71-256.25 | Region |
| **Uganda** | 6.35 | 3.88-8.9 | 828.65 | 506.33-1161.42 | Region |
| **United Republic of Tanzania** | 6.63 | 5.16-8.42 | 1064.74 | 827.76-1351.57 | Country |
| **Zambia** | 6.35 | 3.88-8.9 | 321.83 | 196.65-451.07 | Region |
| **Sub-Saharan Africa, southern** | 7.77 | 4.79-12.39 | 1291.8 | 796.04-2061.18 | REGION |
| **Botswana** | 7.77 | 4.79-12.39 | 38.83 | 23.94-61.91 | Region |
| **Lesotho** | 7.77 | 4.79-12.39 | 35.23 | 21.72-56.18 | Region |
| **Namibia** | 7.77 | 4.79-12.39 | 45.93 | 28.32-73.24 | Region |
| **South Africa** | 9.52 | 9.31-9.71 | 1036.46 | 1013.59-1057.5 | Country |
| **Eswatini** | 7.77 | 4.79-12.39 | 21.73 | 13.4-34.65 | Region |
| **Zimbabwe** | 7.77 | 4.79-12.39 | 304.94 | 187.99-486.26 | Region |
| **Sub-Saharan Africa, western** | 7.85 | 5.45-10.91 | 9266.98 | 6432.96-12881.3 | REGION |
| **Benin** | 7.85 | 5.45-10.91 | 246.76 | 171.32-342.94 | Region |
| **Burkina Faso** | 7.85 | 5.45-10.91 | 446.34 | 309.88-620.32 | Region |
| **Cote d'Ivoire** | 12.31 | 11.63-13 | 849.64 | 804.19-896.79 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 4.69 | 4.26-5.14 | 326.19 | 296.12-356.72 | Country |
| **Cabo Verde** | 7.85 | 5.45-10.91 | 7.97 | 5.53-11.07 | Region |
| **Chad** | 7.85 | 5.45-10.91 | 371.08 | 257.63-515.73 | Region |
| **Gambia** | 7.85 | 5.45-10.91 | 51.37 | 35.66-71.39 | Region |
| **Ghana** | 4.75 | 3.91-5.75 | 340.8 | 281.4-413.68 | Country |
| **Guinea** | 15.54 | 14.77-16.33 | 552.65 | 524.61-580.07 | Country |
| **Guinea-Bissau** | 7.85 | 5.45-10.91 | 40.3 | 27.98-56.01 | Region |
| **Liberia** | 7.85 | 5.45-10.91 | 99.87 | 69.33-138.8 | Region |
| **Mali** | 7.85 | 5.45-10.91 | 454.43 | 315.5-631.57 | Region |
| **Mauritania** | 7.85 | 5.45-10.91 | 89.46 | 62.11-124.33 | Region |
| **Niger** | 7.85 | 5.45-10.91 | 565.26 | 392.44-785.61 | Region |
| **Nigeria** | 11.14 | 10.8-11.45 | 6078.05 | 5895.44-6247.64 | Country |
| **Sao Tome and Principe** | 7.85 | 5.45-10.91 | 4.52 | 3.14-6.29 | Region |
| **Senegal** | 7.85 | 5.45-10.91 | 344.85 | 239.42-479.28 | Region |
| **Sierra Leone** | 7.85 | 5.45-10.91 | 160.28 | 111.28-222.76 | Region |
| **Togo** | 7.75 | 7.2-8.39 | 164.37 | 152.76-177.46 | Country |

## Table S24. Estimated self-reported period prevalence of AD for female adults.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 3.33 | 2.34-4.45 | 86762 | 60921.75-116014.41 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 2.5 | 1.6-3.73 | 4187.84 | 2687.67-6255.51 | SUPER-REGION |
| **Asia, central** | 2.01 | 1.05-3.05 | 630.95 | 329.79-957.97 | REGION |
| **Armenia** | 2.01 | 1.05-3.05 | 24.12 | 12.6-36.61 | Region |
| **Azerbaijan** | 2.01 | 1.05-3.05 | 73.66 | 38.48-111.78 | Region |
| **Georgia** | 1.22 | 1.16-1.28 | 19.47 | 18.49-20.54 | Country |
| **Kazakhstan** | 2.01 | 1.05-3.05 | 129.92 | 67.87-197.14 | Region |
| **Kyrgyzstan** | 0.88 | 0.82-0.95 | 17.75 | 16.45-19.05 | Country |
| **Mongolia** | 2.01 | 1.05-3.05 | 21.13 | 11.04-32.07 | Region |
| **Tajikistan** | 2.01 | 1.05-3.05 | 52.43 | 27.39-79.55 | Region |
| **Turkmenistan** | 2.01 | 1.05-3.05 | 38.32 | 20.02-58.15 | Region |
| **Uzbekistan** | 1.03 | 0.92-1.15 | 111.79 | 100.01-124.94 | Country |
| **Europe, central** | 2.53 | 1.76-3.6 | 1193.03 | 831.61-1700.4 | REGION |
| **Albania** | 0.64 | 0.58-0.7 | 6.9 | 6.3-7.58 | Country |
| **Bosnia and Herzegovina** | 3.24 | 2.93-3.6 | 44.18 | 39.9-48.97 | Country |
| **Bulgaria** | 2.53 | 1.76-3.6 | 74.03 | 51.5-105.33 | Region |
| **Croatia** | 2.33 | 2.22-2.44 | 40.56 | 38.44-42.41 | Country |
| **Czechia** | 2.53 | 1.76-3.6 | 110.76 | 77.05-157.6 | Region |
| **Hungary** | 3.05 | 2.92-3.19 | 126.48 | 121.34-132.28 | Country |
| **Montenegro** | 2.53 | 1.76-3.6 | 6.19 | 4.3-8.8 | Region |
| **Poland** | 3.24 | 3.17-3.32 | 513.63 | 501.63-526.1 | Country |
| **Romania** | 1.98 | 1.87-2.09 | 157.44 | 148.4-166.67 | Country |
| **Serbia** | 3.32 | 3.18-3.46 | 118.18 | 113.32-123.34 | Country |
| **Slovakia** | 6.74 | 5.01-8.66 | 152.25 | 113.42-195.92 | Country |
| **Slovenia** | 2.53 | 1.76-3.6 | 21.41 | 14.89-30.46 | Region |
| **North Macedonia** | 2.53 | 1.76-3.6 | 20.7 | 14.4-29.46 | Region |
| **Europe, eastern** | 2.29 | 1.28-3.41 | 1795.42 | 937.87-2723.78 | REGION |
| **Belarus** | 2.29 | 1.27-3.49 | 81.36 | 41.45-118.89 | Country |
| **Estonia** | 3.18 | 1.77-4.86 | 15.75 | 8.09-22.87 | Country |
| **Latvia** | 1.88 | 1.04-2.89 | 13.62 | 6.8-20.21 | Country |
| **Lithuania** | 0.75 | 0.41-1.16 | 7.87 | 3.83-11.88 | Country |
| **Republic of Moldova** | 2.29 | 1.28-3.41 | 38.77 | 21.67-57.73 | Region |
| **Russia** | 4.18 | 2.34-6.3 | 2278.64 | 1176.83-3359.61 | Country |
| **Ukraine** | 1.67 | 0.92-2.57 | 280.05 | 141.08-411.41 | Country |
| **High income** | 3.93 | 2.86-5.23 | 16984.24 | 12353.07-22639.01 | SUPER-REGION |
| **Asia Pacific, high income** | 4.01 | 2.59-5.9 | 3130.25 | 2016.63-4601.93 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 4.01 | 2.59-5.9 | 5.88 | 3.8-8.66 | Region |
| **Japan** | 5.31 | 5.27-5.36 | 2878.55 | 2853.92-2904.7 | Country |
| **Republic of Korea** | 3.02 | 3-3.05 | 643.5 | 637.95-649.32 | Country |
| **Singapore** | 3.89 | 3.79-4 | 89.98 | 87.5-92.45 | Country |
| **Australasia** | 4.14 | 2.89-5.96 | 476.27 | 333.01-685.68 | REGION |
| **Australia** | 8.08 | 7.96-8.21 | 780.46 | 768.59-793.39 | Country |
| **New Zealand** | 7.33 | 7.22-7.44 | 135.35 | 133.11-137.42 | Country |
| **Europe, western** | 4.15 | 3.27-5.25 | 7311.54 | 5771.11-9262.25 | REGION |
| **Austria** | 2.67 | 2.6-2.74 | 99.11 | 96.42-101.66 | Country |
| **Belgium** | 4.96 | 4.84-5.07 | 227.06 | 221.41-232.18 | Country |
| **Cyprus** | 2.1 | 1.99-2.22 | 9.91 | 9.36-10.5 | Country |
| **Denmark** | 5.36 | 5.24-5.47 | 122.53 | 119.85-125.26 | Country |
| **Finland** | 7.06 | 6.88-7.24 | 157.72 | 153.63-161.8 | Country |
| **France** | 6.23 | 6.1-6.35 | 1626.92 | 1594.75-1659.2 | Country |
| **Germany** | 5.94 | 5.88-6 | 2062.42 | 2042.95-2082.39 | Country |
| **Greece** | 1.71 | 1.62-1.79 | 74.38 | 70.74-78.29 | Country |
| **Iceland** | 13.28 | 11.47-15.07 | 16.85 | 14.55-19.12 | Country |
| **Ireland** | 4.16 | 3.98-4.34 | 76.19 | 72.76-79.54 | Country |
| **Israel** | 0.38 | 0.38-0.39 | 10.96 | 10.63-11.24 | Country |
| **Italy** | 4.7 | 4.64-4.75 | 1211.98 | 1197.7-1226.79 | Country |
| **Luxembourg** | 4.15 | 3.27-5.25 | 10.17 | 8.01-12.86 | Region |
| **Malta** | 2.55 | 2.45-2.65 | 4.58 | 4.36-4.79 | Country |
| **Netherlands** | 7.86 | 7.67-8.07 | 534.06 | 520.91-548.08 | Country |
| **Norway** | 5.84 | 5.69-6 | 120.78 | 117.41-124.27 | Country |
| **Portugal** | 3.12 | 3.04-3.2 | 139.3 | 135.81-143.01 | Country |
| **Spain** | 6.3 | 6.23-6.36 | 1222.88 | 1209.81-1235.97 | Country |
| **Sweden** | 8.07 | 7.97-8.18 | 315.59 | 311.4-319.81 | Country |
| **Switzerland** | 3.81 | 3.55-4.06 | 133.95 | 125.1-142.84 | Country |
| **United Kingdom** | 5.75 | 5.71-5.8 | 1533.95 | 1520.85-1548.08 | Country |
| **Latin America, southern** | 3.79 | 2.27-5.53 | 932.47 | 557.3-1358.3 | REGION |
| **Argentina** | 3.33 | 3.24-3.41 | 531.55 | 518.34-545.24 | Country |
| **Chile** | 4.5 | 4.4-4.59 | 326.89 | 320.18-333.3 | Country |
| **Uruguay** | 2.41 | 2.3-2.53 | 32 | 30.43-33.58 | Country |
| **North America, high income** | 4.21 | 2.7-6.62 | 5987.51 | 3839.36-9420.19 | REGION |
| **Canada** | 5.02 | 4.9-5.14 | 759.81 | 741.12-777.73 | Country |
| **United States of America** | 4.97 | 4.92-5.02 | 6311.57 | 6247.27-6380.47 | Country |
| **Latin America and Caribbean** | 3.79 | 2.7-5.16 | 7738.56 | 5512.34-10535.87 | SUPER-REGION |
| **Caribbean** | 3.94 | 2.53-5.91 | 556.08 | 342.94-802.01 | REGION |
| **Antigua and Barbuda** | 3.94 | 2.53-5.91 | 1.44 | 0.93-2.16 | Region |
| **Bahamas** | 3.94 | 2.53-5.91 | 5.68 | 3.65-8.52 | Region |
| **Barbados** | 2.86 | 1.85-4.87 | 2.99 | 2.82-3.18 | Country |
| **Belize** | 3.94 | 2.53-5.91 | 4.84 | 3.11-7.26 | Region |
| **Cuba** | 5.95 | 3.91-9.88 | 244.09 | 230.55-257.19 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 3.94 | 2.53-5.91 | 137.89 | 88.55-206.84 | Region |
| **Grenada** | 3.94 | 2.53-5.91 | 1.54 | 0.99-2.31 | Region |
| **Guyana** | 3.94 | 2.53-5.91 | 9.75 | 6.26-14.62 | Region |
| **Haiti** | 3.94 | 2.53-5.91 | 133.47 | 85.71-200.21 | Region |
| **Jamaica** | 3.94 | 2.53-5.91 | 40.77 | 26.18-61.16 | Region |
| **Puerto Rico** | 3.94 | 2.53-5.91 | 47.27 | 30.35-70.9 | Region |
| **Saint Lucia** | 3.94 | 2.53-5.91 | 2.77 | 1.78-4.16 | Region |
| **Saint Vincent and the Grenadines** | 3.94 | 2.53-5.91 | 1.51 | 0.97-2.26 | Region |
| **Suriname** | 3.94 | 2.53-5.91 | 7.57 | 4.86-11.35 | Region |
| **Trinidad and Tobago** | 2.15 | 1.39-3.71 | 10.23 | 9.35-11.09 | Country |
| **Virgin Island (US)** | 3.94 | 2.53-5.91 | 1.64 | 1.05-2.46 | Region |
| **Latin America, Andean** | 4.14 | 2.72-6.35 | 848.65 | 557.55-1303.38 | REGION |
| **Bolivia** | 5.98 | 5.65-6.34 | 211.28 | 199.4-223.64 | Country |
| **Ecuador** | 4.23 | 4.1-4.38 | 240.9 | 232.98-249.64 | Country |
| **Peru** | 4.8 | 4.57-5.05 | 541.82 | 515.27-569.89 | Country |
| **Latin America, central** | 3.99 | 2.79-5.45 | 3499.35 | 2443.48-4778.93 | REGION |
| **Colombia** | 4.41 | 4.31-4.52 | 807.55 | 789.1-827.45 | Country |
| **Costa Rica** | 3.13 | 3.01-3.25 | 58.01 | 55.73-60.29 | Country |
| **El Salvador** | 2.39 | 2.23-2.57 | 55.27 | 51.58-59.56 | Country |
| **Guatemala** | 3.99 | 2.79-5.45 | 207.97 | 145.42-284.07 | Region |
| **Honduras** | 5.07 | 4.8-5.36 | 150.26 | 142.34-158.73 | Country |
| **Mexico** | 1.92 | 1.88-1.97 | 846.21 | 826.07-866.49 | Country |
| **Nicaragua** | 6.63 | 6.36-6.93 | 140.44 | 134.57-146.58 | Country |
| **Panama** | 5.76 | 5.57-5.95 | 81.79 | 79.08-84.48 | Country |
| **Venezuela (Bolivarian Republic of)** | 7.26 | 6.97-7.54 | 684.15 | 656.69-711.66 | Country |
| **Latin America, tropical** | 3.97 | 2.43-6.32 | 3204.09 | 1964.72-5106.75 | REGION |
| **Brazil** | 3.15 | 3.1-3.2 | 2477.76 | 2440.44-2515.58 | Country |
| **Paraguay** | 6.09 | 5.81-6.36 | 132.72 | 126.54-138.56 | Country |
| **North Africa and Middle East** | 3.19 | 2.06-4.75 | 5882.82 | 3804.89-8759.24 | SUPER-REGION |
| **North Africa and the Middle East** | 3.09 | 2.31-4.05 | 5686.26 | 4247.2-7467.41 | REGION |
| **Afghanistan** | 3.09 | 2.31-4.05 | 270.48 | 202.2-354.51 | Region |
| **Algeria** | 1.93 | 1.77-2.09 | 264.23 | 242.23-286.39 | Country |
| **Bahrain** | 2.37 | 2.05-2.71 | 9.68 | 8.35-11.06 | Country |
| **Egypt** | 1.22 | 1.11-1.33 | 359.78 | 328.44-392.68 | Country |
| **Iran (Islamic Republic of)** | 2.76 | 2.71-2.82 | 794.91 | 778.67-811.99 | Country |
| **Iraq** | 3.09 | 2.31-4.05 | 323.49 | 241.83-423.99 | Region |
| **Jordan** | 2.39 | 2.21-2.58 | 68.74 | 63.52-74.35 | Country |
| **Kuwait** | 3.43 | 3.28-3.6 | 38.81 | 37.09-40.71 | Country |
| **Lebanon** | 5.55 | 5.38-5.74 | 126.79 | 122.77-131.21 | Country |
| **Libya** | 3.09 | 2.31-4.05 | 67.95 | 50.8-89.07 | Region |
| **Morocco** | 4.23 | 4.09-4.38 | 521.96 | 504.34-540.14 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 1.85 | 1.13-2.77 | 24.09 | 14.64-36.26 | Country |
| **Oman** | 2.46 | 2.37-2.56 | 26.03 | 25-27.07 | Country |
| **Qatar** | 5.71 | 5.28-6.11 | 27.24 | 25.19-29.12 | Country |
| **Saudi Arabia** | 4.19 | 4.02-4.38 | 391.8 | 375.86-409.75 | Country |
| **Sudan** | 1.44 | 1.29-1.62 | 158.15 | 140.88-177.73 | Country |
| **Syrian Arab Republic** | 1.51 | 1.43-1.59 | 80.23 | 76.08-84.6 | Country |
| **Sudan** | 1.44 | 1.29-1.62 | 158.15 | 140.88-177.73 | Country |
| **Tunisia** | 3.18 | 3.06-3.31 | 133.13 | 127.75-138.86 | Country |
| **Turkey** | 1.86 | 1.81-1.92 | 549.07 | 533.33-565.51 | Country |
| **United Arab Emirates** | 17.03 | 15.71-18.49 | 365.74 | 337.55-397.38 | Country |
| **Yemen** | 3.09 | 2.31-4.05 | 233.33 | 174.43-305.82 | Region |
| **South Asia** | 2.96 | 1.56-4.57 | 16428.29 | 8623.86-25292.54 | SUPER-REGION |
| **Asia, south** | 2.68 | 1.35-4.26 | 14992.54 | 8451.34-22943.79 | REGION |
| **Bangladesh** | 4.73 | 3.01-6.84 | 2479.26 | 2350.95-2606.47 | Country |
| **Bhutan** | 2.68 | 1.35-4.26 | 6.24 | 3.14-9.92 | Region |
| **India** | 1.48 | 0.92-2.18 | 6392.6 | 6289.29-6510.17 | Country |
| **Nepal** | 1.16 | 0.72-1.71 | 117.07 | 105.6-128.68 | Country |
| **Pakistan** | 2.74 | 1.76-4 | 1642.06 | 1577.53-1710.25 | Country |
| **South East Asia, east Asia, and Oceania** | 3.48 | 2.31-5.01 | 27897.82 | 18545.08-40243.03 | SUPER-REGION |
| **Asia, east** | 3.58 | 2.09-6.32 | 19561.44 | 11209.31-31420.36 | REGION |
| **China** | 3.28 | 1.83-6.25 | 17021.98 | 16839.02-17193.54 | Country |
| **Dem. People's Republic of Korea** | 3.58 | 2.09-6.32 | 349.13 | 203.82-616.34 | Region |
| **Asia, South East** | 3.07 | 2-4.44 | 7125.69 | 4649.09-10319.69 | REGION |
| **Cambodia** | 3.07 | 2-4.44 | 162.65 | 105.96-235.24 | Region |
| **Indonesia** | 1.44 | 1.37-1.52 | 1297.56 | 1228.43-1370.55 | Country |
| **Lao People's Democratic Republic** | 2.36 | 1.98-2.74 | 50.24 | 42.26-58.6 | Country |
| **Malaysia** | 2.13 | 2.09-2.19 | 229.68 | 224.38-235.6 | Country |
| **Maldives** | 3.07 | 2-4.44 | 4.1 | 2.67-5.93 | Region |
| **Mauritius** | 3.07 | 2-4.44 | 15.14 | 9.86-21.89 | Region |
| **Myanmar** | 3.07 | 2-4.44 | 576.33 | 375.46-833.53 | Region |
| **Philippines** | 2.04 | 1.94-2.16 | 683.79 | 649.48-721.42 | Country |
| **Seychelles** | 3.07 | 2-4.44 | 1.02 | 0.67-1.48 | Region |
| **Sri Lanka** | 3.71 | 3.51-3.91 | 289.19 | 274.01-305.59 | Country |
| **Thailand** | 6.67 | 6.57-6.77 | 1872.29 | 1844.3-1899.53 | Country |
| **Timor-Leste** | 3.07 | 2-4.44 | 10.38 | 6.76-15.02 | Region |
| **Vietnam** | 1.49 | 1.38-1.61 | 520.05 | 480.58-560.94 | Country |
| **Oceania** | 3.58 | 2.09-6.32 | 108.99 | 62.6-175.21 | REGION |
| **Fiji** | 2.96 | 1.33-3.95 | 8.05 | 3.61-12.07 | Country |
| **Guam** | 3.58 | 2.09-6.32 | 2.05 | 1.2-3.62 | Region |
| **Kiribati** | 3.58 | 2.09-6.32 | 1.25 | 0.73-2.2 | Region |
| **Marshall Islands** | 3.58 | 2.09-6.32 | 0.49 | 0.29-0.86 | Region |
| **Micronesia (Fed. States of)** | 3.58 | 2.09-6.32 | 1.2 | 0.7-2.12 | Region |
| **Papua New Guinea** | 3.58 | 2.09-6.32 | 86.35 | 50.41-152.43 | Region |

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|---|---|---|---|---|---|
| **Samoa** | 9.6 | 4.55-12.58 | 4.77 | 2.25-7 | Country |
| **Solomon Islands** | 3.58 | 2.09-6.32 | 6.11 | 3.57-10.78 | Region |
| **Tonga** | 7.53 | 3.5-10 | 2.17 | 1.03-3.25 | Country |
| **Vanuatu** | 3.58 | 2.09-6.32 | 2.87 | 1.68-5.07 | Region |
| **Sub-Saharan Africa** | 3.7 | 2.65-5.02 | 9680.63 | 6927.07-13132.67 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 4.37 | 2.9-6.99 | 1327.23 | 881.74-2123.93 | REGION |
| **Angola** | 4.83 | 4.54-5.12 | 349.18 | 328.13-370.51 | Country |
| **Central African Republic** | 4.37 | 2.9-6.99 | 47.73 | 31.67-76.34 | Region |
| **Congo** | 7.26 | 5.73-9.12 | 113.94 | 102.85-124.14 | Country |
| **Democratic Republic of the Congo** | 6.06 | 5.67-6.48 | 1200.46 | 1123.42-1285.06 | Country |
| **Equatorial Guinea** | 4.37 | 2.9-6.99 | 13.47 | 8.94-21.55 | Region |
| **Gabon** | 5.31 | 4.96-5.67 | 31.13 | 29.09-33.18 | Country |
| **Sub-Saharan Africa, eastern** | 3.16 | 1.91-4.48 | 3246.13 | 1957.57-4604.21 | REGION |
| **Burundi** | 3.16 | 1.91-4.48 | 85.71 | 51.81-121.52 | Region |
| **Comoros** | 3.16 | 1.91-4.48 | 6.96 | 4.21-9.87 | Region |
| **Djibouti** | 3.16 | 1.91-4.48 | 9.19 | 5.55-13.02 | Region |
| **Eritrea** | 3.16 | 1.91-4.48 | 27.55 | 16.65-39.06 | Region |
| **Ethiopia** | 2.04 | 1.95-2.12 | 578.26 | 553.21-601.21 | Country |
| **Kenya** | 5.89 | 5.69-6.1 | 811.48 | 783.79-839.78 | Country |
| **Madagascar** | 2 | 1.7-2.34 | 137.93 | 116.94-160.89 | Country |
| **Malawi** | 3.16 | 1.91-4.48 | 143.1 | 86.5-202.88 | Region |
| **Mozambique** | 3.16 | 1.91-4.48 | 234.45 | 141.71-332.38 | Region |
| **Rwanda** | 0.65 | 0.42-0.93 | 21.77 | 14.27-31.03 | Country |
| **Somalia** | 3.16 | 1.91-4.48 | 108.1 | 65.34-153.25 | Region |
| **South Sudan** | 3.16 | 1.91-4.48 | 85.68 | 51.79-121.48 | Region |
| **Uganda** | 3.16 | 1.91-4.48 | 320.57 | 193.76-454.48 | Region |
| **United Republic of Tanzania** | 3.3 | 2.54-4.23 | 456.5 | 351.45-585.46 | Country |
| **Zambia** | 3.16 | 1.91-4.48 | 133.12 | 80.46-188.73 | Region |
| **Sub-Saharan Africa, southern** | 3.9 | 2.36-6.37 | 990.72 | 598.6-1618.4 | REGION |
| **Botswana** | 3.9 | 2.36-6.37 | 27.8 | 16.82-45.41 | Region |
| **Lesotho** | 3.9 | 2.36-6.37 | 24.64 | 14.91-40.25 | Region |
| **Namibia** | 3.9 | 2.36-6.37 | 28.01 | 16.95-45.74 | Region |
| **South Africa** | 4.81 | 4.69-4.92 | 924.02 | 902.2-944.3 | Country |
| **Eswatini** | 3.9 | 2.36-6.37 | 12.1 | 7.32-19.76 | Region |
| **Zimbabwe** | 3.9 | 2.36-6.37 | 150 | 90.77-245.01 | Region |
| **Sub-Saharan Africa, western** | 3.94 | 2.71-5.56 | 4061.94 | 2792.3-5742.67 | REGION |
| **Benin** | 3.94 | 2.71-5.56 | 115.27 | 79.28-162.66 | Region |
| **Burkina Faso** | 3.94 | 2.71-5.56 | 188.05 | 129.34-265.37 | Region |
| **Cote d'Ivoire** | 6.32 | 5.95-6.69 | 390.37 | 367.94-413.53 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 2.31 | 2.09-2.53 | 145.81 | 132.14-160.24 | Country |
| **Cabo Verde** | 3.94 | 2.71-5.56 | 6.91 | 4.75-9.75 | Region |
| **Chad** | 3.94 | 2.71-5.56 | 137.84 | 94.81-194.52 | Region |
| **Gambia** | 3.94 | 2.71-5.56 | 22.21 | 15.28-31.34 | Region |
| **Ghana** | 2.34 | 1.92-2.84 | 190.31 | 156.34-232 | Country |
| **Guinea** | 8.12 | 7.69-8.59 | 261.88 | 247.91-276.82 | Country |
| **Guinea-Bissau** | 3.94 | 2.71-5.56 | 19.38 | 13.33-27.35 | Region |
| **Liberia** | 3.94 | 2.71-5.56 | 48.97 | 33.68-69.11 | Region |
| **Mali** | 3.94 | 2.71-5.56 | 170.08 | 116.98-240.01 | Region |
| **Mauritania** | 3.94 | 2.71-5.56 | 46.3 | 31.84-65.33 | Region |
| **Niger** | 3.94 | 2.71-5.56 | 190.53 | 131.05-268.86 | Region |
| **Nigeria** | 5.68 | 5.49-5.86 | 2673.21 | 2585.27-2758.66 | Country |
| **Sao Tome and Principe** | 3.94 | 2.71-5.56 | 2.04 | 1.41-2.88 | Region |
| **Senegal** | 3.94 | 2.71-5.56 | 164.7 | 113.28-232.41 | Region |
| **Sierra Leone** | 3.94 | 2.71-5.56 | 76.98 | 52.95-108.64 | Region |
| **Togo** | 3.88 | 3.6-4.21 | 79.07 | 73.21-85.82 | Country |

## Table S25. Estimated self-reported period prevalence of AD for male.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 3.85 | 2.72-5.12 | 151234.35 | 107013.25-201361.34 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 2.74 | 1.76-4.08 | 5449.03 | 3506.53-8116.58 | SUPER-REGION |
| **Asia, central** | 2.4 | 1.25-3.62 | 1123.62 | 586.38-1695.58 | REGION |
| **Armenia** | 2.4 | 1.25-3.62 | 33.45 | 17.42-50.45 | Region |
| **Azerbaijan** | 2.4 | 1.25-3.62 | 121.55 | 63.31-183.34 | Region |
| **Georgia** | 1.35 | 1.29-1.42 | 25.74 | 24.46-27.14 | Country |
| **Kazakhstan** | 2.4 | 1.25-3.62 | 218.71 | 113.91-329.89 | Region |
| **Kyrgyzstan** | 1.09 | 1.01-1.17 | 35.19 | 32.74-37.79 | Country |
| **Mongolia** | 2.4 | 1.25-3.62 | 38.76 | 20.19-58.46 | Region |
| **Tajikistan** | 2.4 | 1.25-3.62 | 115.34 | 60.07-173.97 | Region |
| **Turkmenistan** | 2.4 | 1.25-3.62 | 71.26 | 37.12-107.49 | Region |
| **Uzbekistan** | 1.23 | 1.1-1.38 | 205.88 | 184.06-229.89 | Country |
| **Europe, central** | 2.65 | 1.85-3.76 | 1465.05 | 1024.94-2081.17 | REGION |
| **Albania** | 0.69 | 0.63-0.76 | 10.1 | 9.23-11.08 | Country |
| **Bosnia and Herzegovina** | 3.37 | 3.04-3.73 | 54.12 | 48.76-60.11 | Country |
| **Bulgaria** | 2.65 | 1.85-3.76 | 89.41 | 62.42-126.86 | Region |
| **Croatia** | 2.43 | 2.31-2.54 | 48.02 | 45.68-50.31 | Country |
| **Czechia** | 2.65 | 1.85-3.76 | 139.72 | 97.54-198.24 | Region |
| **Hungary** | 3.18 | 3.05-3.32 | 146.22 | 140.37-152.72 | Country |
| **Montenegro** | 2.65 | 1.85-3.76 | 8.23 | 5.75-11.68 | Region |
| **Poland** | 3.38 | 3.3-3.46 | 619.41 | 604.84-633.64 | Country |
| **Romania** | 2.09 | 1.97-2.2 | 195.07 | 184.23-206.38 | Country |
| **Serbia** | 3.5 | 3.36-3.65 | 149.85 | 143.95-156.14 | Country |
| **Slovakia** | 7.01 | 5.23-8.99 | 186.43 | 139.06-238.9 | Country |
| **Slovenia** | 2.65 | 1.85-3.76 | 27.43 | 19.15-38.92 | Region |
| **North Macedonia** | 2.65 | 1.85-3.76 | 27.62 | 19.28-39.18 | Region |
| **Europe, eastern** | 2.47 | 1.38-3.67 | 2106.93 | 1099.76-3184.53 | REGION |
| **Belarus** | 2.46 | 1.36-3.73 | 95.08 | 48.81-138.79 | Country |
| **Estonia** | 3.38 | 1.88-5.15 | 18.7 | 9.58-27.04 | Country |
| **Latvia** | 2 | 1.11-3.08 | 15.34 | 7.72-22.98 | Country |
| **Lithuania** | 0.79 | 0.44-1.23 | 8.76 | 4.26-13.2 | Country |
| **Republic of Moldova** | 2.47 | 1.38-3.67 | 47.72 | 26.66-70.9 | Region |
| **Russia** | 4.52 | 2.54-6.8 | 2700.31 | 1398.58-3967.53 | Country |
| **Ukraine** | 1.77 | 0.98-2.72 | 315.32 | 159.43-461.93 | Country |
| **High income** | 4.16 | 3.03-5.54 | 22246.78 | 16189.39-29635.71 | SUPER-REGION |
| **Asia Pacific, high income** | 4.07 | 2.62-5.96 | 3692.25 | 2376.93-5406.04 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 4.07 | 2.62-5.96 | 9.24 | 5.95-13.53 | Region |
| **Japan** | 5.38 | 5.34-5.41 | 3318.84 | 3296.42-3341.82 | Country |
| **Republic of Korea** | 3.07 | 3.05-3.09 | 788.22 | 782.83-793.55 | Country |
| **Singapore** | 3.91 | 3.81-4.01 | 119.66 | 116.5-122.87 | Country |
| **Australasia** | 4.49 | 3.16-6.44 | 676.83 | 475.66-969.66 | REGION |
| **Australia** | 8.69 | 8.56-8.82 | 1103.06 | 1086.97-1120.55 | Country |
| **New Zealand** | 7.94 | 7.83-8.05 | 188.21 | 185.3-190.97 | Country |
| **Europe, western** | 4.35 | 3.44-5.49 | 9283.4 | 7348.1-11720.21 | REGION |
| **Austria** | 2.77 | 2.7-2.84 | 122.84 | 119.65-126.02 | Country |
| **Belgium** | 5.26 | 5.14-5.37 | 302.36 | 295.39-308.71 | Country |
| **Cyprus** | 2.24 | 2.12-2.37 | 13.54 | 12.76-14.3 | Country |
| **Denmark** | 5.65 | 5.53-5.77 | 162.69 | 159.38-166.18 | Country |
| **Finland** | 7.38 | 7.19-7.56 | 201.55 | 196.26-206.57 | Country |
| **France** | 6.66 | 6.54-6.78 | 2105.21 | 2066.77-2143.49 | Country |
| **Germany** | 6.1 | 6.05-6.15 | 2528.14 | 2506.82-2549.11 | Country |
| **Greece** | 1.76 | 1.68-1.85 | 90.17 | 85.82-94.78 | Country |
| **Iceland** | 14.14 | 12.29-15.98 | 24.25 | 21-27.5 | Country |
| **Ireland** | 4.58 | 4.38-4.78 | 112.33 | 107.37-117.13 | Country |
| **Israel** | 0.46 | 0.45-0.47 | 19.75 | 19.29-20.2 | Country |
| **Italy** | 4.8 | 4.75-4.85 | 1411.67 | 1397.3-1426.11 | Country |
| **Luxembourg** | 4.35 | 3.44-5.49 | 13.77 | 10.89-17.38 | Region |
| **Malta** | 2.63 | 2.53-2.73 | 5.82 | 5.57-6.08 | Country |
| **Netherlands** | 8.22 | 8.03-8.43 | 701.89 | 685.27-719.38 | Country |
| **Norway** | 6.19 | 6.03-6.36 | 169.57 | 165.19-174.16 | Country |
| **Portugal** | 3.22 | 3.14-3.3 | 155.24 | 151.34-159.3 | Country |
| **Spain** | 6.49 | 6.43-6.55 | 1490.73 | 1477.48-1504.4 | Country |
| **Sweden** | 8.52 | 8.42-8.62 | 431.06 | 426.02-436.28 | Country |
| **Switzerland** | 3.95 | 3.69-4.21 | 169.51 | 158.15-180.71 | Country |
| **United Kingdom** | 6.12 | 6.07-6.16 | 2051.06 | 2037.56-2065.52 | Country |
| **Latin America, southern** | 4.29 | 2.57-6.21 | 1423.42 | 852.2-2059.3 | REGION |
| **Argentina** | 3.84 | 3.75-3.93 | 845.92 | 825.82-866.5 | Country |
| **Chile** | 4.89 | 4.8-4.98 | 461.31 | 452.13-469.81 | Country |
| **Uruguay** | 2.69 | 2.56-2.82 | 45.11 | 42.9-47.35 | Country |
| **North America, high income** | 4.54 | 2.91-7.1 | 8278.91 | 5311.85-12952.43 | REGION |
| **Canada** | 5.25 | 5.13-5.37 | 983.96 | 960.43-1005.93 | Country |
| **United States of America** | 5.36 | 5.31-5.41 | 8781.76 | 8703.37-8860.94 | Country |
| **Latin America and Caribbean** | 4.36 | 3.12-5.89 | 12537.06 | 8973.62-16943.85 | SUPER-REGION |
| **Caribbean** | 4.52 | 2.92-6.73 | 911.62 | 565.3-1307.19 | REGION |
| **Antigua and Barbuda** | 4.52 | 2.92-6.73 | 2.14 | 1.38-3.18 | Region |
| **Bahamas** | 4.52 | 2.92-6.73 | 8.64 | 5.58-12.86 | Region |
| **Barbados** | 3.08 | 1.99-5.22 | 3.88 | 3.67-4.1 | Country |
| **Belize** | 4.52 | 2.92-6.73 | 8.94 | 5.77-13.31 | Region |
| **Cuba** | 6.24 | 4.13-10.31 | 319.53 | 302.7-336.17 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 4.52 | 2.92-6.73 | 244.86 | 158.18-364.58 | Region |
| **Grenada** | 4.52 | 2.92-6.73 | 2.56 | 1.65-3.81 | Region |
| **Guyana** | 4.52 | 2.92-6.73 | 17.88 | 11.55-26.62 | Region |
| **Haiti** | 4.52 | 2.92-6.73 | 254.31 | 164.29-378.65 | Region |
| **Jamaica** | 4.52 | 2.92-6.73 | 66.42 | 42.91-98.9 | Region |
| **Puerto Rico** | 4.52 | 2.92-6.73 | 61.25 | 39.57-91.2 | Region |
| **Saint Lucia** | 4.52 | 2.92-6.73 | 4.09 | 2.64-6.08 | Region |
| **Saint Vincent and the Grenadines** | 4.52 | 2.92-6.73 | 2.54 | 1.64-3.78 | Region |
| **Suriname** | 4.52 | 2.92-6.73 | 13.33 | 8.61-19.84 | Region |
| **Trinidad and Tobago** | 2.37 | 1.53-4.07 | 14.79 | 13.55-16.04 | Country |
| **Virgin Island (US)** | 4.52 | 2.92-6.73 | 2.24 | 1.45-3.34 | Region |
| **Latin America, Andean** | 4.81 | 3.18-7.3 | 1494.99 | 986.81-2270.29 | REGION |
| **Bolivia** | 7.19 | 6.79-7.6 | 421.4 | 397.97-445.14 | Country |
| **Ecuador** | 4.99 | 4.83-5.17 | 440.61 | 426.71-455.92 | Country |
| **Peru** | 5.45 | 5.19-5.73 | 893.38 | 849.59-939.19 | Country |
| **Latin America, central** | 4.68 | 3.28-6.36 | 5940.09 | 4160.2-8059.62 | REGION |
| **Colombia** | 5 | 4.89-5.12 | 1249.65 | 1221.48-1277.51 | Country |
| **Costa Rica** | 3.48 | 3.35-3.6 | 88.45 | 85.23-91.86 | Country |
| **El Salvador** | 2.87 | 2.68-3.09 | 87.19 | 81.4-93.79 | Country |
| **Guatemala** | 4.68 | 3.28-6.36 | 413.1 | 289.52-561.39 | Region |
| **Honduras** | 6.18 | 5.86-6.52 | 305.73 | 289.9-322.79 | Country |
| **Mexico** | 2.27 | 2.22-2.32 | 1429.33 | 1397.23-1461.78 | Country |
| **Nicaragua** | 7.94 | 7.63-8.29 | 259.22 | 248.82-270.34 | Country |
| **Panama** | 6.68 | 6.48-6.89 | 144.34 | 139.8-148.76 | Country |
| **Venezuela (Bolivarian Republic of)** | 8.5 | 8.18-8.81 | 1188.01 | 1144.26-1231.83 | Country |
| **Latin America, tropical** | 4.43 | 2.74-7.02 | 4785.13 | 2954.82-7584.63 | REGION |
| **Brazil** | 3.52 | 3.47-3.57 | 3676.96 | 3623.72-3729.77 | Country |
| **Paraguay** | 7.21 | 6.89-7.52 | 261.3 | 250.04-272.64 | Country |
| **North Africa and Middle East** | 3.82 | 2.49-5.67 | 12199.1 | 7943.41-18093.37 | SUPER-REGION |
| **North Africa and the Middle East** | 3.7 | 2.78-4.86 | 11799.31 | 8857.84-15487.75 | REGION |
| **Afghanistan** | 3.7 | 2.78-4.86 | 739.12 | 555.34-970.85 | Region |
| **Algeria** | 2.31 | 2.13-2.5 | 512.33 | 471.07-553.91 | Country |
| **Bahrain** | 2.43 | 2.1-2.77 | 26.71 | 23.12-30.44 | Country |
| **Egypt** | 1.52 | 1.39-1.65 | 785.29 | 718.44-855.18 | Country |
| **Iran (Islamic Republic of)** | 3.15 | 3.09-3.21 | 1335.25 | 1308.56-1361.44 | Country |
| **Iraq** | 3.7 | 2.78-4.86 | 753.24 | 565.95-989.39 | Region |
| **Jordan** | 2.97 | 2.75-3.2 | 153.27 | 142.04-165.27 | Country |
| **Kuwait** | 3.65 | 3.49-3.83 | 95.56 | 91.16-100.05 | Country |
| **Lebanon** | 6.4 | 6.2-6.6 | 219.73 | 212.89-226.93 | Country |
| **Libya** | 3.7 | 2.78-4.86 | 128.34 | 96.43-168.58 | Region |
| **Morocco** | 4.95 | 4.79-5.12 | 907.25 | 877.2-938.5 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 2.39 | 1.46-3.58 | 61.89 | 37.79-92.92 | Country |
| **Oman** | 2.56 | 2.46-2.65 | 86.18 | 82.84-89.6 | Country |
| **Qatar** | 5.5 | 5.08-5.88 | 119.08 | 110.32-127.18 | Country |
| **Saudi Arabia** | 4.59 | 4.4-4.79 | 923.36 | 885.57-963.94 | Country |
| **Sudan** | 1.91 | 1.7-2.14 | 417.51 | 372.73-468.37 | Country |
| **Syrian Arab Republic** | 1.84 | 1.75-1.94 | 161.17 | 152.99-170 | Country |
| **Sudan** | 1.91 | 1.7-2.14 | 417.51 | 372.73-468.37 | Country |
| **Tunisia** | 3.63 | 3.49-3.78 | 212.65 | 204.4-221.54 | Country |
| **Turkey** | 2.15 | 2.09-2.21 | 894.78 | 871.03-919.75 | Country |
| **United Arab Emirates** | 16.57 | 15.28-17.98 | 1132.54 | 1045.14-1228.09 | Country |
| **Yemen** | 3.7 | 2.78-4.86 | 555.92 | 417.69-730.21 | Region |
| **South Asia** | 3.51 | 1.86-5.4 | 32570.84 | 17227.56-50058.01 | SUPER-REGION |
| **Asia, south** | 3.17 | 1.6-5.01 | 29753.89 | 16839.31-45343.63 | REGION |
| **Bangladesh** | 5.55 | 3.56-7.97 | 4636.24 | 4404.99-4870.04 | Country |
| **Bhutan** | 3.17 | 1.6-5.01 | 13 | 6.56-20.54 | Region |
| **India** | 1.74 | 1.1-2.57 | 12512.6 | 12322.41-12718.03 | Country |
| **Nepal** | 1.46 | 0.91-2.14 | 194.85 | 176.05-213.74 | Country |
| **Pakistan** | 3.45 | 2.22-5.02 | 3933.51 | 3782.4-4089.73 | Country |
| **South East Asia, east Asia, and Oceania** | 3.82 | 2.55-5.48 | 42580.16 | 28381.41-61105.58 | SUPER-REGION |
| **Asia, east** | 3.83 | 2.25-6.72 | 28305.52 | 16256.23-45349.97 | REGION |
| **China** | 3.51 | 1.98-6.66 | 24669.92 | 24466.14-24869.31 | Country |
| **Dem. People's Republic of Korea** | 3.83 | 2.25-6.72 | 482.9 | 283.69-847.28 | Region |
| **Asia, South East** | 3.56 | 2.33-5.13 | 12187.41 | 7963.71-17556.05 | REGION |
| **Cambodia** | 3.56 | 2.33-5.13 | 290.58 | 190.18-418.73 | Region |
| **Indonesia** | 1.69 | 1.6-1.79 | 2333.24 | 2209.58-2460.04 | Country |
| **Lao People's Democratic Republic** | 2.9 | 2.44-3.38 | 106.08 | 89.42-123.12 | Country |
| **Malaysia** | 2.44 | 2.38-2.49 | 405.08 | 395.91-414.67 | Country |
| **Maldives** | 3.56 | 2.33-5.13 | 12.21 | 7.99-17.59 | Region |
| **Mauritius** | 3.56 | 2.33-5.13 | 22.34 | 14.62-32.19 | Region |
| **Myanmar** | 3.56 | 2.33-5.13 | 933.44 | 610.93-1345.09 | Region |
| **Philippines** | 2.49 | 2.37-2.62 | 1371.71 | 1303.01-1442.65 | Country |
| **Seychelles** | 3.56 | 2.33-5.13 | 1.8 | 1.18-2.59 | Region |
| **Sri Lanka** | 4.25 | 4.03-4.48 | 436.38 | 413.91-460.62 | Country |
| **Thailand** | 7.09 | 6.99-7.18 | 2406.39 | 2373.06-2438.77 | Country |
| **Timor-Leste** | 3.56 | 2.33-5.13 | 23.72 | 15.52-34.18 | Region |
| **Vietnam** | 1.7 | 1.57-1.83 | 825.23 | 763.91-887.96 | Country |
| **Oceania** | 4.49 | 2.64-7.82 | 256.04 | 146.83-408.56 | REGION |
| **Fiji** | 3.53 | 1.6-4.68 | 15.6 | 7.09-23.26 | Country |
| **Guam** | 4.49 | 2.64-7.82 | 3.82 | 2.25-6.66 | Region |
| **Kiribati** | 4.49 | 2.64-7.82 | 2.64 | 1.55-4.59 | Region |
| **Marshall Islands** | 4.49 | 2.64-7.82 | 1.28 | 0.75-2.23 | Region |
| **Micronesia (Fed. States of)** | 4.49 | 2.64-7.82 | 2.63 | 1.54-4.57 | Region |
| **Papua New Guinea** | 4.49 | 2.64-7.82 | 205.11 | 120.6-357.22 | Region |

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|---|---|---|---|---|---|
| **Samoa** | 11.86 | 5.75-15.38 | 11.88 | 5.79-17.08 | Country |
| **Solomon Islands** | 4.49 | 2.64-7.82 | 15.68 | 9.22-27.31 | Region |
| **Tonga** | 9.4 | 4.46-12.35 | 4.85 | 2.34-7.2 | Country |
| **Vanuatu** | 4.49 | 2.64-7.82 | 6.99 | 4.11-12.17 | Region |
| **Sub-Saharan Africa** | 4.9 | 3.54-6.61 | 26705.78 | 19270.7-36033.86 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 5.88 | 3.93-9.29 | 3999.16 | 2669.8-6312.24 | REGION |
| **Angola** | 6.54 | 6.15-6.94 | 1063.5 | 999.74-1128.33 | Country |
| **Central African Republic** | 5.88 | 3.93-9.29 | 140.77 | 94.09-222.41 | Region |
| **Congo** | 9.36 | 7.46-11.67 | 299.25 | 271.04-325.5 | Country |
| **Democratic Republic of the Congo** | 8.11 | 7.61-8.65 | 3626.72 | 3401.19-3863.9 | Country |
| **Equatorial Guinea** | 5.88 | 3.93-9.29 | 45.89 | 30.67-72.5 | Region |
| **Gabon** | 6.63 | 6.2-7.06 | 75.07 | 70.29-79.94 | Country |
| **Sub-Saharan Africa, eastern** | 4.2 | 2.55-5.92 | 8942.64 | 5415.81-12591.84 | REGION |
| **Burundi** | 4.2 | 2.55-5.92 | 247.79 | 150.45-349.27 | Region |
| **Comoros** | 4.2 | 2.55-5.92 | 18.42 | 11.19-25.97 | Region |
| **Djibouti** | 4.2 | 2.55-5.92 | 21.8 | 13.23-30.72 | Region |
| **Eritrea** | 4.2 | 2.55-5.92 | 74.66 | 45.33-105.23 | Region |
| **Ethiopia** | 2.69 | 2.58-2.8 | 1548.33 | 1486.17-1607.92 | Country |
| **Kenya** | 7.57 | 7.35-7.82 | 2023.44 | 1962.26-2088.99 | Country |
| **Madagascar** | 2.64 | 2.24-3.08 | 364.96 | 309.68-426.16 | Country |
| **Malawi** | 4.2 | 2.55-5.92 | 396.23 | 240.57-558.49 | Region |
| **Mozambique** | 4.2 | 2.55-5.92 | 637.91 | 387.3-899.14 | Region |
| **Rwanda** | 0.86 | 0.56-1.22 | 54.53 | 35.6-77.52 | Country |
| **Somalia** | 4.2 | 2.55-5.92 | 332.81 | 202.06-469.11 | Region |
| **South Sudan** | 4.2 | 2.55-5.92 | 235.33 | 142.88-331.7 | Region |
| **Uganda** | 4.2 | 2.55-5.92 | 946.96 | 574.94-1334.76 | Region |
| **United Republic of Tanzania** | 4.42 | 3.43-5.65 | 1320.05 | 1022.69-1684.37 | Country |
| **Zambia** | 4.2 | 2.55-5.92 | 382.33 | 232.13-538.9 | Region |
| **Sub-Saharan Africa, southern** | 4.76 | 2.9-7.73 | 1919.13 | 1167.73-3114.2 | REGION |
| **Botswana** | 4.76 | 2.9-7.73 | 54.22 | 33.03-88.05 | Region |
| **Lesotho** | 4.76 | 2.9-7.73 | 50.31 | 30.65-81.7 | Region |
| **Namibia** | 4.76 | 2.9-7.73 | 58.63 | 35.72-95.21 | Region |
| **South Africa** | 5.7 | 5.58-5.83 | 1666.4 | 1629.12-1702.7 | Country |
| **Eswatini** | 4.76 | 2.9-7.73 | 27.14 | 16.54-44.08 | Region |
| **Zimbabwe** | 4.76 | 2.9-7.73 | 337.58 | 205.67-548.21 | Region |
| **Sub-Saharan Africa, western** | 5.24 | 3.62-7.36 | 11732.07 | 8098.1-16476.6 | REGION |
| **Benin** | 5.24 | 3.62-7.36 | 317.24 | 219.16-445.59 | Region |
| **Burkina Faso** | 5.24 | 3.62-7.36 | 547.3 | 378.1-768.73 | Region |
| **Cote d'Ivoire** | 8.2 | 7.74-8.68 | 1091.15 | 1029.72-1155.59 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 3.07 | 2.79-3.37 | 408.24 | 370.74-447.98 | Country |
| **Cabo Verde** | 5.24 | 3.62-7.36 | 14.63 | 10.1-20.54 | Region |
| **Chad** | 5.24 | 3.62-7.36 | 429.69 | 296.85-603.53 | Region |
| **Gambia** | 5.24 | 3.62-7.36 | 62.8 | 43.39-88.21 | Region |
| **Ghana** | 2.99 | 2.46-3.63 | 471.57 | 387.54-570.98 | Country |
| **Guinea** | 10.76 | 10.2-11.34 | 683.36 | 647.59-721 | Country |
| **Guinea-Bissau** | 5.24 | 3.62-7.36 | 50.45 | 34.85-70.85 | Region |
| **Liberia** | 5.24 | 3.62-7.36 | 133.23 | 92.04-187.13 | Region |
| **Mali** | 5.24 | 3.62-7.36 | 531.61 | 367.26-746.68 | Region |
| **Mauritania** | 5.24 | 3.62-7.36 | 122.35 | 84.53-171.85 | Region |
| **Niger** | 5.24 | 3.62-7.36 | 637.72 | 440.56-895.72 | Region |
| **Nigeria** | 7.5 | 7.26-7.72 | 7835.25 | 7585.48-8063.73 | Country |
| **Sao Tome and Principe** | 5.24 | 3.62-7.36 | 5.75 | 3.97-8.07 | Region |
| **Senegal** | 5.24 | 3.62-7.36 | 428.15 | 295.78-601.37 | Region |
| **Sierra Leone** | 5.24 | 3.62-7.36 | 208.62 | 144.12-293.02 | Region |
| **Togo** | 5.08 | 4.71-5.51 | 209.17 | 193.94-226.67 | Country |

## Table S26. Estimated self-reported period prevalence of AD for male children.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 13.2 | 9.65-17.06 | 176915.85 | 129371.36-228753.15 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 10.16 | 6.73-14.66 | 5437.67 | 3604.72-7846.11 | SUPER-REGION |
| **Asia, central** | 8.31 | 4.46-12.24 | 1462.75 | 786.21-2153.77 | REGION |
| **Armenia** | 8.31 | 4.46-12.24 | 34.79 | 18.67-51.24 | Region |
| **Azerbaijan** | 8.31 | 4.46-12.24 | 133.95 | 71.89-197.29 | Region |
| **Georgia** | 5.18 | 4.95-5.43 | 27.72 | 26.38-29.04 | Country |
| **Kazakhstan** | 8.31 | 4.46-12.24 | 281.63 | 151.15-414.82 | Region |
| **Kyrgyzstan** | 3.79 | 3.53-4.06 | 51.06 | 47.5-54.66 | Country |
| **Mongolia** | 8.31 | 4.46-12.24 | 52.03 | 27.93-76.64 | Region |
| **Tajikistan** | 8.31 | 4.46-12.24 | 186.35 | 100.01-274.47 | Region |
| **Turkmenistan** | 8.31 | 4.46-12.24 | 98.59 | 52.91-145.21 | Region |
| **Uzbekistan** | 4.41 | 3.96-4.92 | 275.64 | 247.77-307.19 | Country |
| **Europe, central** | 10.29 | 7.39-14.21 | 1214.62 | 873.44-1678.03 | REGION |
| **Albania** | 2.76 | 2.52-3.02 | 10.13 | 9.25-11.13 | Country |
| **Bosnia and Herzegovina** | 12.93 | 11.79-14.2 | 42.55 | 38.76-46.89 | Country |
| **Bulgaria** | 10.29 | 7.39-14.21 | 70.69 | 50.77-97.62 | Region |
| **Croatia** | 9.56 | 9.12-9.95 | 39.06 | 37.33-40.75 | Country |
| **Czechia** | 10.29 | 7.39-14.21 | 114.89 | 82.51-158.65 | Region |
| **Hungary** | 12.23 | 11.76-12.71 | 117.92 | 113.53-122.64 | Country |
| **Montenegro** | 10.29 | 7.39-14.21 | 8.18 | 5.88-11.3 | Region |
| **Poland** | 12.93 | 12.66-13.18 | 495.66 | 485.45-505.63 | Country |
| **Romania** | 8.22 | 7.77-8.66 | 168.14 | 159.12-177.14 | Country |
| **Serbia** | 13.2 | 12.73-13.7 | 126.63 | 122.12-131.45 | Country |
| **Slovakia** | 24.19 | 18.99-29.62 | 137.71 | 107.9-168.59 | Country |
| **Slovenia** | 10.29 | 7.39-14.21 | 21.53 | 15.46-29.73 | Region |
| **North Macedonia** | 10.29 | 7.39-14.21 | 24.49 | 17.59-33.82 | Region |
| **Europe, eastern** | 9.38 | 5.43-13.51 | 2004.11 | 1077.04-2950.91 | REGION |
| **Belarus** | 9.38 | 5.41-13.77 | 88.32 | 46.71-125.64 | Country |
| **Estonia** | 12.67 | 7.39-18.54 | 16.32 | 8.7-23.06 | Country |
| **Latvia** | 7.8 | 4.46-11.62 | 14.13 | 7.3-20.61 | Country |
| **Lithuania** | 3.23 | 1.8-4.94 | 7.95 | 3.9-11.91 | Country |
| **Republic of Moldova** | 9.38 | 5.43-13.51 | 40.73 | 23.58-58.67 | Region |
| **Russia** | 16.13 | 9.58-23.02 | 2506.48 | 1368.15-3522.64 | Country |
| **Ukraine** | 6.97 | 3.95-10.46 | 284.89 | 146.75-408.52 | Country |
| **High income** | 15.3 | 11.46-19.67 | 18875.37 | 14142.4-24274.22 | SUPER-REGION |
| **Asia Pacific, high income** | 15.56 | 10.48-21.77 | 2518.92 | 1696.33-3525.04 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 15.56 | 10.48-21.77 | 10.53 | 7.09-14.73 | Region |
| **Japan** | 19.9 | 19.84-19.97 | 2191.58 | 2183.86-2199.18 | Country |
| **Republic of Korea** | 12.14 | 12.07-12.2 | 557.96 | 554.67-561.36 | Country |
| **Singapore** | 15.22 | 14.88-15.57 | 77.3 | 75.5-79.13 | Country |
| **Australasia** | 16 | 11.7-21.93 | 630.04 | 461.07-863.93 | REGION |
| **Australia** | 28.03 | 27.71-28.35 | 925.61 | 914.89-936.03 | Country |
| **New Zealand** | 25.95 | 25.67-26.21 | 164.95 | 163.14-166.73 | Country |
| **Europe, western** | 16.06 | 13.03-19.65 | 7527.39 | 6109.45-9204.62 | REGION |
| **Austria** | 10.82 | 10.58-11.07 | 97.71 | 95.38-99.88 | Country |
| **Belgium** | 18.79 | 18.44-19.11 | 253.09 | 248.16-257.35 | Country |
| **Cyprus** | 8.69 | 8.27-9.14 | 12.3 | 11.65-12.95 | Country |
| **Denmark** | 20.06 | 19.73-20.39 | 131.79 | 129.61-133.93 | Country |
| **Finland** | 25.19 | 24.67-25.66 | 151.53 | 148.45-154.41 | Country |
| **France** | 22.73 | 22.39-23.06 | 1790.7 | 1762.96-1816.57 | Country |
| **Germany** | 21.87 | 21.75-21.99 | 1789.2 | 1779.59-1799.41 | Country |
| **Greece** | 7.14 | 6.84-7.48 | 71.69 | 68.42-75.09 | Country |
| **Iceland** | 40.38 | 36.54-44 | 18.11 | 16.39-19.79 | Country |
| **Ireland** | 16.13 | 15.5-16.73 | 110.72 | 106.36-114.77 | Country |
| **Israel** | 1.68 | 1.65-1.71 | 26.56 | 25.97-27.12 | Country |
| **Italy** | 17.92 | 17.79-18.06 | 990.59 | 982.93-998.31 | Country |
| **Luxembourg** | 16.06 | 13.03-19.65 | 10.84 | 8.79-13.26 | Region |
| **Malta** | 10.39 | 10.02-10.73 | 4.5 | 4.3-4.7 | Country |
| **Netherlands** | 27.44 | 26.93-27.97 | 522.16 | 512.24-532.39 | Country |
| **Norway** | 21.56 | 21.12-22.03 | 139.07 | 136.11-142.18 | Country |
| **Portugal** | 12.49 | 12.21-12.77 | 118.83 | 116.35-121.65 | Country |
| **Spain** | 22.95 | 22.81-23.08 | 1061.16 | 1054.42-1067.74 | Country |
| **Sweden** | 28.02 | 27.78-28.25 | 333.82 | 330.91-336.78 | Country |
| **Switzerland** | 14.91 | 14.01-15.8 | 131.32 | 123.35-139.01 | Country |
| **United Kingdom** | 21.29 | 21.2-21.39 | 1707.8 | 1700.28-1715.95 | Country |
| **Latin America, southern** | 14.81 | 9.3-20.52 | 1542.18 | 967.77-2139.26 | REGION |
| **Argentina** | 13.23 | 12.95-13.53 | 982.06 | 961.73-1003.85 | Country |
| **Chile** | 17.26 | 16.99-17.54 | 432.29 | 425.12-439.49 | Country |
| **Uruguay** | 9.86 | 9.43-10.28 | 47.98 | 45.9-50.08 | Country |
| **North America, high income** | 16.21 | 10.89-23.86 | 7454.02 | 5004.1-10967.71 | REGION |
| **Canada** | 18.99 | 18.59-19.34 | 771.79 | 755.5-786.49 | Country |
| **United States of America** | 18.82 | 18.68-18.95 | 7886.61 | 7828.78-7942.92 | Country |
| **Latin America and Caribbean** | 14.82 | 11-19.33 | 14273.13 | 10588.26-18619.22 | SUPER-REGION |
| **Caribbean** | 15.3 | 10.32-21.72 | 1036.83 | 672.03-1429.63 | REGION |
| **Antigua and Barbuda** | 15.3 | 10.32-21.72 | 2.2 | 1.49-3.13 | Region |
| **Bahamas** | 15.3 | 10.32-21.72 | 9.09 | 6.13-12.9 | Region |
| **Barbados** | 11.5 | 7.72-18.5 | 3.61 | 3.42-3.81 | Country |
| **Belize** | 15.3 | 10.32-21.72 | 12.08 | 8.15-17.15 | Region |
| **Cuba** | 21.73 | 15.35-32.66 | 254.2 | 242.67-265.65 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 15.3 | 10.32-21.72 | 307.05 | 207.11-435.89 | Region |
| **Grenada** | 15.3 | 10.32-21.72 | 2.68 | 1.81-3.81 | Region |
| **Guyana** | 15.3 | 10.32-21.72 | 22.87 | 15.42-32.46 | Region |
| **Haiti** | 15.3 | 10.32-21.72 | 376.24 | 253.78-534.11 | Region |
| **Jamaica** | 15.3 | 10.32-21.72 | 72.64 | 49-103.12 | Region |
| **Puerto Rico** | 15.3 | 10.32-21.72 | 50.58 | 34.12-71.81 | Region |
| **Saint Lucia** | 15.3 | 10.32-21.72 | 3.57 | 2.41-5.06 | Region |
| **Saint Vincent and the Grenadines** | 15.3 | 10.32-21.72 | 2.59 | 1.75-3.68 | Region |
| **Suriname** | 15.3 | 10.32-21.72 | 16.42 | 11.07-23.31 | Region |
| **Trinidad and Tobago** | 8.84 | 5.89-14.55 | 15.18 | 13.93-16.4 | Country |
| **Virgin Island (US)** | 15.3 | 10.32-21.72 | 2.1 | 1.42-2.98 | Region |
| **Latin America, Andean** | 15.98 | 11.04-23.02 | 1743.78 | 1204.81-2513.9 | REGION |
| **Bolivia** | 21.99 | 20.93-23.05 | 523.54 | 497.87-548.33 | Country |
| **Ecuador** | 16.39 | 15.92-16.87 | 535.02 | 520.46-550.51 | Country |
| **Peru** | 18.28 | 17.51-19.08 | 962.52 | 922.62-1004.64 | Country |
| **Latin America, central** | 15.51 | 11.26-20.29 | 7136.54 | 5182.41-9335.71 | REGION |
| **Colombia** | 16.98 | 16.64-17.33 | 1348.31 | 1320.81-1375.07 | Country |
| **Costa Rica** | 12.53 | 12.11-12.95 | 91.29 | 88-94.39 | Country |
| **El Salvador** | 9.78 | 9.16-10.48 | 115.18 | 107.88-123.45 | Country |
| **Guatemala** | 15.51 | 11.26-20.29 | 627.1 | 455.27-820.37 | Region |
| **Honduras** | 19.14 | 18.28-20.05 | 397.83 | 379.67-416.1 | Country |
| **Mexico** | 7.99 | 7.82-8.16 | 1814.75 | 1775.07-1853.8 | Country |
| **Nicaragua** | 23.95 | 23.16-24.76 | 314.86 | 304.43-325.41 | Country |
| **Panama** | 21.32 | 20.76-21.86 | 163.25 | 159.03-167.41 | Country |
| **Venezuela (Bolivarian Republic of)** | 25.75 | 24.94-26.55 | 1347.18 | 1305.78-1387.72 | Country |
| **Latin America, tropical** | 15.38 | 10-23.03 | 4942.45 | 3208.76-7404.82 | REGION |
| **Brazil** | 12.6 | 12.44-12.77 | 3875.48 | 3825.76-3924.96 | Country |
| **Paraguay** | 22.33 | 21.47-23.15 | 310.53 | 298.78-321.95 | Country |
| **North Africa and Middle East** | 12.7 | 8.59-18.14 | 15699.68 | 10620.79-22436.85 | SUPER-REGION |
| **North Africa and the Middle East** | 12.34 | 9.5-15.78 | 15259.41 | 11748.82-19520.82 | REGION |
| **Afghanistan** | 12.34 | 9.5-15.78 | 1321.82 | 1017.61-1690.3 | Region |
| **Algeria** | 8.04 | 7.44-8.63 | 673.07 | 622.38-722.67 | Country |
| **Bahrain** | 9.7 | 8.49-10.94 | 20.15 | 17.64-22.78 | Country |
| **Egypt** | 5.18 | 4.74-5.63 | 1156.84 | 1059.85-1257.02 | Country |
| **Iran (Islamic Republic of)** | 11.19 | 10.98-11.38 | 1509.64 | 1482.4-1535.73 | Country |
| **Iraq** | 12.34 | 9.5-15.78 | 1224.79 | 942.91-1566.22 | Region |
| **Jordan** | 9.78 | 9.13-10.48 | 218.44 | 203.37-234.1 | Country |
| **Kuwait** | 13.61 | 13.06-14.18 | 83.83 | 80.28-87.32 | Country |
| **Lebanon** | 20.67 | 20.13-21.25 | 244.08 | 237.59-250.89 | Country |
| **Libya** | 12.34 | 9.5-15.78 | 156.45 | 120.44-200.06 | Region |
| **Morocco** | 16.38 | 15.91-16.87 | 1079.09 | 1048.24-1112.05 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 7.68 | 4.83-11.24 | 96.98 | 61.19-142.14 | Country |
| **Oman** | 10.07 | 9.69-10.42 | 68.78 | 66.16-71.24 | Country |
| **Qatar** | 21.16 | 19.83-22.35 | 55.02 | 51.56-58.23 | Country |
| **Saudi Arabia** | 16.23 | 15.64-16.85 | 890.93 | 858.98-924.79 | Country |
| **Sudan** | 6.09 | 5.45-6.8 | 686.65 | 614.71-767.15 | Country |
| **Syrian Arab Republic** | 6.34 | 6.04-6.67 | 225.21 | 214.32-237.16 | Country |
| **Sudan** | 6.09 | 5.45-6.8 | 686.65 | 614.71-767.15 | Country |
| **Tunisia** | 12.7 | 12.26-13.18 | 239.78 | 231.13-249.04 | Country |
| **Turkey** | 7.75 | 7.57-7.95 | 1070.89 | 1044.77-1097.85 | Country |
| **United Arab Emirates** | 47.62 | 45.18-50.1 | 451.47 | 428.74-475.23 | Country |
| **Yemen** | 12.34 | 9.5-15.78 | 929.69 | 715.72-1188.85 | Region |
| **South Asia** | 11.86 | 6.54-17.54 | 40779.12 | 22490.94-60310.32 | SUPER-REGION |
| **Asia, south** | 10.8 | 5.7-16.4 | 37547.56 | 22119.02-55242.47 | REGION |
| **Bangladesh** | 17.96 | 12.11-24.55 | 5510.96 | 5265.27-5753.44 | Country |
| **Bhutan** | 10.8 | 5.7-16.4 | 14.38 | 7.59-21.84 | Region |
| **India** | 6.22 | 3.99-9 | 15986.62 | 15736.29-16227.87 | Country |
| **Nepal** | 4.94 | 3.14-7.18 | 290.25 | 263.4-316.89 | Country |
| **Pakistan** | 11.09 | 7.32-15.65 | 5720.87 | 5513.37-5932.93 | Country |
| **South East Asia, east Asia, and Oceania** | 13.71 | 9.5-18.9 | 42123.15 | 29171.7-58049.58 | SUPER-REGION |
| **Asia, east** | 14.01 | 8.64-22.91 | 25332.62 | 15210.2-38492.04 | REGION |
| **China** | 12.95 | 7.65-22.85 | 22424.6 | 22294.12-22544.47 | Country |
| **Dem. People's Republic of Korea** | 14.01 | 8.64-22.91 | 500.66 | 308.76-818.72 | Region |
| **Asia, South East** | 12.27 | 8.27-17.09 | 14446.14 | 9749.13-20131.78 | REGION |
| **Cambodia** | 12.27 | 8.27-17.09 | 413.79 | 278.89-576.33 | Region |
| **Indonesia** | 6.1 | 5.8-6.42 | 2946.09 | 2801.1-3102.34 | Country |
| **Lao People's Democratic Republic** | 9.65 | 8.22-11.11 | 148.89 | 126.71-171.65 | Country |
| **Malaysia** | 8.82 | 8.63-9 | 465.7 | 455.64-475.63 | Country |
| **Maldives** | 12.27 | 8.27-17.09 | 8.37 | 5.64-11.65 | Region |
| **Mauritius** | 12.27 | 8.27-17.09 | 19.26 | 12.98-26.83 | Region |
| **Myanmar** | 12.27 | 8.27-17.09 | 1168.3 | 787.43-1627.24 | Region |
| **Philippines** | 8.47 | 8.07-8.89 | 1886.39 | 1798.9-1978.65 | Country |
| **Seychelles** | 12.27 | 8.27-17.09 | 1.87 | 1.26-2.61 | Region |
| **Sri Lanka** | 14.57 | 13.89-15.27 | 494.66 | 471.57-519.11 | Country |
| **Thailand** | 24.04 | 23.78-24.3 | 1969.05 | 1947.53-1990.05 | Country |
| **Timor-Leste** | 12.27 | 8.27-17.09 | 39.83 | 26.85-55.48 | Region |
| **Vietnam** | 6.28 | 5.84-6.73 | 958.89 | 893.05-1027.28 | Country |
| **Oceania** | 14.01 | 8.64-22.91 | 365.64 | 219.8-555.82 | REGION |
| **Fiji** | 11.86 | 5.66-15.36 | 19.86 | 9.52-28.58 | Country |
| **Guam** | 14.01 | 8.64-22.91 | 3.9 | 2.4-6.37 | Region |
| **Kiribati** | 14.01 | 8.64-22.91 | 3.82 | 2.36-6.25 | Region |
| **Marshall Islands** | 14.01 | 8.64-22.91 | 2.05 | 1.26-3.34 | Region |
| **Micronesia (Fed. States of)** | 14.01 | 8.64-22.91 | 3.4 | 2.1-5.57 | Region |
| **Papua New Guinea** | 14.01 | 8.64-22.91 | 294.38 | 181.54-481.38 | Region |

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|---|---|---|---|---|---|
| **Samoa** | 31.67 | 17.45-38.93 | 14.98 | 8.31-20.07 | Country |
| **Solomon Islands** | 14.01 | 8.64-22.91 | 24.93 | 15.38-40.77 | Region |
| **Tonga** | 26.27 | 13.85-32.99 | 6.42 | 3.42-8.85 | Country |
| **Vanuatu** | 14.01 | 8.64-22.91 | 10.72 | 6.61-17.53 | Region |
| **Sub-Saharan Africa** | 14.51 | 10.76-18.99 | 42350.81 | 31414.26-55424.97 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 16.73 | 11.67-24.98 | 6439.21 | 4488.39-9616.86 | REGION |
| **Angola** | 18.35 | 17.38-19.31 | 1726.67 | 1634.82-1816.6 | Country |
| **Central African Republic** | 16.73 | 11.67-24.98 | 226.96 | 158.32-338.88 | Region |
| **Congo** | 25.63 | 21.25-30.77 | 417.06 | 385.64-446.17 | Country |
| **Democratic Republic of the Congo** | 22.23 | 21.05-23.45 | 5656.66 | 5358.48-5971.14 | Country |
| **Equatorial Guinea** | 16.73 | 11.67-24.98 | 53.97 | 37.65-80.59 | Region |
| **Gabon** | 19.91 | 18.79-21.02 | 102.71 | 97.04-108.65 | Country |
| **Sub-Saharan Africa, eastern** | 12.58 | 7.87-17.18 | 14413.35 | 9014.04-19674.26 | REGION |
| **Burundi** | 12.58 | 7.87-17.18 | 417.57 | 261.23-570.26 | Region |
| **Comoros** | 12.58 | 7.87-17.18 | 27.45 | 17.17-37.49 | Region |
| **Djibouti** | 12.58 | 7.87-17.18 | 24.93 | 15.59-34.04 | Region |
| **Eritrea** | 12.58 | 7.87-17.18 | 117.67 | 73.61-160.69 | Region |
| **Ethiopia** | 8.44 | 8.12-8.75 | 2515.07 | 2419.17-2605.63 | Country |
| **Kenya** | 21.72 | 21.16-22.3 | 2928.11 | 2852.99-3006.51 | Country |
| **Madagascar** | 8.31 | 7.11-9.61 | 590.79 | 506.23-683.01 | Country |
| **Malawi** | 12.58 | 7.87-17.18 | 658.35 | 411.86-899.08 | Region |
| **Mozambique** | 12.58 | 7.87-17.18 | 1090.1 | 681.96-1488.7 | Region |
| **Rwanda** | 2.81 | 1.86-3.97 | 90.96 | 59.92-128.43 | Country |
| **Somalia** | 12.58 | 7.87-17.18 | 579.27 | 362.39-791.08 | Region |
| **South Sudan** | 12.58 | 7.87-17.18 | 370.91 | 232.04-506.54 | Region |
| **Uganda** | 12.58 | 7.87-17.18 | 1667.57 | 1043.22-2277.33 | Region |
| **United Republic of Tanzania** | 13.12 | 10.37-16.36 | 2151.25 | 1700.89-2683.76 | Country |
| **Zambia** | 12.58 | 7.87-17.18 | 647.3 | 404.95-883.99 | Region |
| **Sub-Saharan Africa, southern** | 15.13 | 9.67-23.19 | 2556.13 | 1633.43-3916.17 | REGION |
| **Botswana** | 15.13 | 9.67-23.19 | 77.36 | 49.45-118.58 | Region |
| **Lesotho** | 15.13 | 9.67-23.19 | 68.71 | 43.91-105.31 | Region |
| **Namibia** | 15.13 | 9.67-23.19 | 89.24 | 57.03-136.78 | Region |
| **South Africa** | 18.3 | 17.94-18.64 | 2032.96 | 1992.5-2072.62 | Country |
| **Eswatini** | 15.13 | 9.67-23.19 | 42.96 | 27.46-65.85 | Region |
| **Zimbabwe** | 15.13 | 9.67-23.19 | 596.65 | 381.33-914.49 | Region |
| **Sub-Saharan Africa, western** | 15.32 | 10.96-20.67 | 18683.03 | 13374.31-25211.49 | REGION |
| **Benin** | 15.32 | 10.96-20.67 | 495.3 | 354.34-668.27 | Region |
| **Burkina Faso** | 15.32 | 10.96-20.67 | 903.26 | 646.19-1218.69 | Region |
| **Cote d'Ivoire** | 23.01 | 21.91-24.14 | 1600.45 | 1522.92-1679.59 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 9.48 | 8.67-10.34 | 670.13 | 612.11-731.48 | Country |
| **Cabo Verde** | 15.32 | 10.96-20.67 | 15.86 | 11.35-21.4 | Region |
| **Chad** | 15.32 | 10.96-20.67 | 729.86 | 522.15-984.74 | Region |
| **Gambia** | 15.32 | 10.96-20.67 | 101.85 | 72.86-137.41 | Region |
| **Ghana** | 9.58 | 7.97-11.45 | 718.14 | 597.12-858.48 | Country |
| **Guinea** | 28.15 | 26.95-29.37 | 1016 | 972.06-1059.36 | Country |
| **Guinea-Bissau** | 15.32 | 10.96-20.67 | 79.51 | 56.88-107.28 | Region |
| **Liberia** | 15.32 | 10.96-20.67 | 202.48 | 144.85-273.18 | Region |
| **Mali** | 15.32 | 10.96-20.67 | 916.26 | 655.5-1236.24 | Region |
| **Mauritania** | 15.32 | 10.96-20.67 | 180.13 | 128.87-243.04 | Region |
| **Niger** | 15.32 | 10.96-20.67 | 1142.62 | 817.44-1541.64 | Region |
| **Nigeria** | 21.06 | 20.5-21.59 | 11996.93 | 11677.28-12299.01 | Country |
| **Sao Tome and Principe** | 15.32 | 10.96-20.67 | 9.02 | 6.45-12.17 | Region |
| **Senegal** | 15.32 | 10.96-20.67 | 689.9 | 493.56-930.82 | Region |
| **Sierra Leone** | 15.32 | 10.96-20.67 | 314.25 | 224.82-424 | Region |
| **Togo** | 15.17 | 14.16-16.3 | 323.75 | 302.29-347.5 | Country |

## Table S27. Estimated self-reported period prevalence of AD for male adults.

| Country/Region/Super-region | Expected Prevalence % | 95% Confidence Interval of Prevalence (%) | Expected Patient Number (thousand) | 95% Confidence Interval of Patient Number (thousand) | Hierarchy of Region in Estimate |
|---|---|---|---|---|---|
| **Global** | 2.86 | 2-3.82 | 73957.24 | 51901.37-99013.7 | GLOBAL |
| **Central Europe, eastern Europe, and central Asia** | 2.14 | 1.37-3.2 | 3118.12 | 2000.88-4656.72 | SUPER-REGION |
| **Asia, central** | 1.73 | 0.9-2.62 | 503.55 | 262.76-765.98 | REGION |
| **Armenia** | 1.73 | 0.9-2.62 | 16.87 | 8.78-25.55 | Region |
| **Azerbaijan** | 1.73 | 0.9-2.62 | 59.73 | 31.07-90.46 | Region |
| **Georgia** | 1.04 | 0.99-1.1 | 14.25 | 13.52-15.04 | Country |
| **Kazakhstan** | 1.73 | 0.9-2.62 | 99.02 | 51.52-149.97 | Region |
| **Kyrgyzstan** | 0.75 | 0.7-0.81 | 14.21 | 13.17-15.28 | Country |
| **Mongolia** | 1.73 | 0.9-2.62 | 17.11 | 8.9-25.91 | Region |
| **Tajikistan** | 1.73 | 0.9-2.62 | 44.34 | 23.07-67.16 | Region |
| **Turkmenistan** | 1.73 | 0.9-2.62 | 30.84 | 16.05-46.71 | Region |
| **Uzbekistan** | 0.88 | 0.79-0.99 | 92.19 | 82.49-103.21 | Country |
| **Europe, central** | 2.17 | 1.51-3.09 | 944.2 | 657.98-1346.62 | REGION |
| **Albania** | 0.54 | 0.5-0.6 | 5.97 | 5.44-6.55 | Country |
| **Bosnia and Herzegovina** | 2.79 | 2.51-3.09 | 35.6 | 31.98-39.56 | Country |
| **Bulgaria** | 2.17 | 1.51-3.09 | 58.31 | 40.57-83.03 | Region |
| **Croatia** | 2 | 1.9-2.09 | 31.39 | 29.75-32.89 | Country |
| **Czechia** | 2.17 | 1.51-3.09 | 90.18 | 62.75-128.42 | Region |
| **Hungary** | 2.62 | 2.51-2.74 | 95.13 | 91.32-99.45 | Country |
| **Montenegro** | 2.17 | 1.51-3.09 | 5.01 | 3.49-7.14 | Region |
| **Poland** | 2.78 | 2.72-2.85 | 403.7 | 394.12-413.44 | Country |
| **Romania** | 1.7 | 1.6-1.79 | 124.06 | 116.96-131.39 | Country |
| **Serbia** | 2.85 | 2.73-2.97 | 94.64 | 90.78-98.69 | Country |
| **Slovakia** | 5.82 | 4.32-7.5 | 121.61 | 90.16-156.76 | Country |
| **Slovenia** | 2.17 | 1.51-3.09 | 17.92 | 12.47-25.52 | Region |
| **North Macedonia** | 2.17 | 1.51-3.09 | 17.45 | 12.14-24.85 | Region |
| **Europe, eastern** | 1.97 | 1.09-2.93 | 1257.38 | 655.71-1911.44 | REGION |
| **Belarus** | 1.96 | 1.08-3 | 57.66 | 29.42-84.23 | Country |
| **Estonia** | 2.73 | 1.51-4.19 | 11.65 | 5.99-16.82 | Country |
| **Latvia** | 1.61 | 0.89-2.48 | 9.41 | 4.71-14.01 | Country |
| **Lithuania** | 0.64 | 0.35-0.99 | 5.51 | 2.68-8.28 | Country |
| **Republic of Moldova** | 1.97 | 1.09-2.93 | 29.5 | 16.32-43.88 | Region |
| **Russia** | 3.6 | 2-5.44 | 1593.58 | 820.36-2356.97 | Country |
| **Ukraine** | 1.43 | 0.79-2.2 | 196.29 | 98.63-287.99 | Country |
| **High income** | 3.38 | 2.45-4.51 | 13886.78 | 10090.28-18568.53 | SUPER-REGION |
| **Asia Pacific, high income** | 3.45 | 2.22-5.08 | 2572.53 | 1652.54-3786.85 | REGION |

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|---|---|---|---|---|---|
| **Brunei Darussalam** | 3.45 | 2.22-5.08 | 5.5 | 3.54-8.09 | Region |
| **Japan** | 4.57 | 4.53-4.61 | 2319.86 | 2299.03-2340.66 | Country |
| **Republic of Korea** | 2.59 | 2.57-2.62 | 546.64 | 541.83-551.43 | Country |
| **Singapore** | 3.35 | 3.26-3.44 | 85.5 | 83.1-87.87 | Country |
| **Australasia** | 3.56 | 2.48-5.14 | 396.18 | 276.43-571.51 | REGION |
| **Australia** | 6.99 | 6.88-7.11 | 656.47 | 646.44-668.22 | Country |
| **New Zealand** | 6.33 | 6.24-6.43 | 109.81 | 107.91-111.55 | Country |
| **Europe, western** | 3.56 | 2.81-4.52 | 5935.17 | 4681.3-7531.28 | REGION |
| **Austria** | 2.29 | 2.23-2.35 | 80.89 | 78.68-82.99 | Country |
| **Belgium** | 4.27 | 4.17-4.36 | 187.86 | 183.25-192.02 | Country |
| **Cyprus** | 1.8 | 1.71-1.91 | 8.33 | 7.83-8.81 | Country |
| **Denmark** | 4.61 | 4.52-4.72 | 102.55 | 100.28-104.92 | Country |
| **Finland** | 6.1 | 5.93-6.26 | 129.91 | 126.35-133.38 | Country |
| **France** | 5.37 | 5.26-5.48 | 1272.95 | 1247.22-1297.97 | Country |
| **Germany** | 5.12 | 5.07-5.17 | 1701.54 | 1684.43-1718.49 | Country |
| **Greece** | 1.46 | 1.39-1.54 | 60.1 | 57.1-63.13 | Country |
| **Iceland** | 11.57 | 9.98-13.17 | 14.65 | 12.6-16.69 | Country |
| **Ireland** | 3.58 | 3.42-3.73 | 63.12 | 60.25-65.9 | Country |
| **Israel** | 0.33 | 0.32-0.34 | 8.97 | 8.7-9.22 | Country |
| **Italy** | 4.04 | 3.99-4.09 | 966.12 | 955.1-977.81 | Country |
| **Luxembourg** | 3.56 | 2.81-4.52 | 8.87 | 7-11.26 | Region |
| **Malta** | 2.19 | 2.1-2.27 | 3.9 | 3.72-4.09 | Country |
| **Netherlands** | 6.8 | 6.63-6.98 | 451.02 | 439.71-463.12 | Country |
| **Norway** | 5.03 | 4.9-5.18 | 105.45 | 102.59-108.37 | Country |
| **Portugal** | 2.68 | 2.61-2.75 | 103.68 | 100.97-106.41 | Country |
| **Spain** | 5.43 | 5.37-5.49 | 996.81 | 986.02-1007.54 | Country |
| **Sweden** | 6.98 | 6.89-7.07 | 270.02 | 266.39-273.76 | Country |
| **Switzerland** | 3.27 | 3.05-3.49 | 111.61 | 104.1-119.23 | Country |
| **United Kingdom** | 4.96 | 4.92-5 | 1265.19 | 1254.44-1276.49 | Country |
| **Latin America, southern** | 3.26 | 1.94-4.75 | 741.44 | 442.22-1080.2 | REGION |
| **Argentina** | 2.86 | 2.79-2.93 | 417.69 | 407.46-428.8 | Country |
| **Chile** | 3.87 | 3.79-3.95 | 267.73 | 262.1-273.17 | Country |
| **Uruguay** | 2.07 | 1.97-2.17 | 24.63 | 23.42-25.91 | Country |
| **North America, high income** | 3.62 | 2.32-5.72 | 4947.38 | 3159.27-7810.41 | REGION |
| **Canada** | 4.32 | 4.22-4.43 | 634.32 | 618.82-649.43 | Country |
| **United States of America** | 4.28 | 4.23-4.32 | 5213.16 | 5159.48-5269.69 | Country |
| **Latin America and Caribbean** | 3.26 | 2.32-4.44 | 6233.56 | 4440.29-8507.39 | SUPER-REGION |
| **Caribbean** | 3.39 | 2.17-5.09 | 454.64 | 280.15-657.25 | REGION |
| **Antigua and Barbuda** | 3.39 | 2.17-5.09 | 1.11 | 0.71-1.67 | Region |
| **Bahamas** | 3.39 | 2.17-5.09 | 4.46 | 2.86-6.7 | Region |
| **Barbados** | 2.46 | 1.59-4.2 | 2.33 | 2.19-2.48 | Country |
| **Belize** | 3.39 | 2.17-5.09 | 4.03 | 2.58-6.05 | Region |
| **Cuba** | 5.13 | 3.36-8.57 | 203.4 | 191.92-214.52 | Country |

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|---|---|---|---|---|---|
| **Dominican Republic** | 3.39 | 2.17-5.09 | 115.61 | 74.01-173.59 | Region |
| **Grenada** | 3.39 | 2.17-5.09 | 1.33 | 0.85-1.99 | Region |
| **Guyana** | 3.39 | 2.17-5.09 | 8.34 | 5.34-12.52 | Region |
| **Haiti** | 3.39 | 2.17-5.09 | 107.37 | 68.73-161.21 | Region |
| **Jamaica** | 3.39 | 2.17-5.09 | 33.72 | 21.59-50.63 | Region |
| **Puerto Rico** | 3.39 | 2.17-5.09 | 34.73 | 22.23-52.15 | Region |
| **Saint Lucia** | 3.39 | 2.17-5.09 | 2.27 | 1.46-3.41 | Region |
| **Saint Vincent and the Grenadines** | 3.39 | 2.17-5.09 | 1.33 | 0.85-2 | Region |
| **Suriname** | 3.39 | 2.17-5.09 | 6.36 | 4.07-9.54 | Region |
| **Trinidad and Tobago** | 1.85 | 1.19-3.19 | 8.39 | 7.65-9.1 | Country |
| **Virgin Island (US)** | 3.39 | 2.17-5.09 | 1.22 | 0.78-1.83 | Region |
| **Latin America, Andean** | 3.56 | 2.33-5.47 | 717.35 | 469.9-1103.97 | REGION |
| **Bolivia** | 5.16 | 4.87-5.47 | 179.29 | 169.2-189.97 | Country |
| **Ecuador** | 3.64 | 3.52-3.77 | 202.42 | 195.57-209.74 | Country |
| **Peru** | 4.13 | 3.93-4.35 | 459.41 | 436.91-483.37 | Country |
| **Latin America, central** | 3.43 | 2.39-4.69 | 2773.44 | 1933.4-3793.19 | REGION |
| **Colombia** | 3.8 | 3.71-3.89 | 646.99 | 632.08-662.89 | Country |
| **Costa Rica** | 2.69 | 2.59-2.79 | 48.82 | 46.92-50.76 | Country |
| **El Salvador** | 2.05 | 1.91-2.2 | 38.06 | 35.47-40.97 | Country |
| **Guatemala** | 3.43 | 2.39-4.69 | 164.08 | 114.33-224.36 | Region |
| **Honduras** | 4.37 | 4.13-4.62 | 125.31 | 118.47-132.58 | Country |
| **Mexico** | 1.65 | 1.61-1.68 | 664.08 | 648.05-680.38 | Country |
| **Nicaragua** | 5.73 | 5.48-5.98 | 111.64 | 106.79-116.59 | Country |
| **Panama** | 4.97 | 4.8-5.13 | 69.2 | 66.94-71.53 | Country |
| **Venezuela (Bolivarian Republic of)** | 6.27 | 6.02-6.51 | 548.51 | 526.73-570.52 | Country |
| **Latin America, tropical** | 3.41 | 2.09-5.45 | 2588.82 | 1584.26-4138.01 | REGION |
| **Brazil** | 2.71 | 2.66-2.75 | 1993.86 | 1963.05-2024.57 | Country |
| **Paraguay** | 5.25 | 5.01-5.49 | 117.37 | 111.91-122.56 | Country |
| **North Africa and Middle East** | 2.74 | 1.77-4.09 | 5354.19 | 3454.56-7999.76 | SUPER-REGION |
| **North Africa and the Middle East** | 2.65 | 1.98-3.48 | 5173.79 | 3868.55-6801.83 | REGION |
| **Afghanistan** | 2.65 | 1.98-3.48 | 245.51 | 183.44-322.41 | Region |
| **Algeria** | 1.66 | 1.52-1.79 | 228.4 | 209.18-247.35 | Country |
| **Bahrain** | 2.03 | 1.76-2.32 | 18.12 | 15.66-20.71 | Country |
| **Egypt** | 1.04 | 0.95-1.14 | 305.9 | 279.29-333.63 | Country |
| **Iran (Islamic Republic of)** | 2.37 | 2.32-2.42 | 685.58 | 671.66-699.89 | Country |
| **Iraq** | 2.65 | 1.98-3.48 | 276.46 | 206.56-363.05 | Region |
| **Jordan** | 2.05 | 1.89-2.21 | 60.09 | 55.5-65 | Country |
| **Kuwait** | 2.95 | 2.82-3.09 | 58.91 | 56.13-61.79 | Country |
| **Lebanon** | 4.78 | 4.63-4.95 | 107.88 | 104.4-111.59 | Country |
| **Libya** | 2.65 | 1.98-3.48 | 58.32 | 43.58-76.59 | Region |
| **Morocco** | 3.64 | 3.51-3.77 | 426.86 | 411.72-442.55 | Country |

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|---|---|---|---|---|---|
| **Palestine** | 1.58 | 0.96-2.38 | 20.97 | 12.72-31.57 | Country |
| **Oman** | 2.11 | 2.03-2.19 | 56.79 | 54.51-59.09 | Country |
| **Qatar** | 4.92 | 4.55-5.27 | 93.78 | 86.76-100.26 | Country |
| **Saudi Arabia** | 3.6 | 3.45-3.76 | 527.13 | 504.99-551.03 | Country |
| **Sudan** | 1.24 | 1.1-1.39 | 131.33 | 117.01-147.62 | Country |
| **Syrian Arab Republic** | 1.29 | 1.22-1.36 | 67.17 | 63.8-70.82 | Country |
| **Sudan** | 1.24 | 1.1-1.39 | 131.33 | 117.01-147.62 | Country |
| **Tunisia** | 2.73 | 2.62-2.85 | 108.45 | 104.01-113.23 | Country |
| **Turkey** | 1.6 | 1.55-1.64 | 443.86 | 431.31-457.03 | Country |
| **United Arab Emirates** | 14.93 | 13.74-16.24 | 878.91 | 809.1-955.89 | Country |
| **Yemen** | 2.65 | 1.98-3.48 | 198.51 | 148.32-260.69 | Region |
| **South Asia** | 2.55 | 1.34-3.93 | 14863.84 | 7796.78-22925.2 | SUPER-REGION |
| **Asia, south** | 2.3 | 1.15-3.66 | 13558.92 | 7613.73-20821.36 | REGION |
| **Bangladesh** | 4.07 | 2.58-5.9 | 2154.76 | 2042.75-2267.1 | Country |
| **Bhutan** | 2.3 | 1.15-3.66 | 6.37 | 3.18-10.13 | Region |
| **India** | 1.26 | 0.79-1.87 | 5844.29 | 5746.42-5946.98 | Country |
| **Nepal** | 0.99 | 0.62-1.46 | 74.73 | 67.4-82.23 | Country |
| **Pakistan** | 2.36 | 1.5-3.44 | 1472.18 | 1413.5-1533.11 | Country |
| **South East Asia, east Asia, and Oceania** | 2.99 | 1.98-4.31 | 24101.25 | 15999.99-34817.75 | SUPER-REGION |
| **Asia, east** | 3.08 | 1.79-5.46 | 17172.41 | 9823.34-27672.19 | REGION |
| **China** | 2.82 | 1.57-5.39 | 14953.65 | 14794.84-15104.34 | Country |
| **Dem. People's Republic of Korea** | 3.08 | 1.79-5.46 | 278.27 | 161.72-493.3 | Region |
| **Asia, South East** | 2.64 | 1.72-3.82 | 5909.96 | 3851.88-8574.09 | REGION |
| **Cambodia** | 2.64 | 1.72-3.82 | 126.46 | 82.39-182.98 | Region |
| **Indonesia** | 1.24 | 1.17-1.3 | 1105.46 | 1046.52-1167.18 | Country |
| **Lao People's Democratic Republic** | 2.02 | 1.69-2.35 | 42.6 | 35.78-49.77 | Country |
| **Malaysia** | 1.83 | 1.79-1.88 | 207.68 | 202.82-213.02 | Country |
| **Maldives** | 2.64 | 1.72-3.82 | 7.25 | 4.73-10.49 | Region |
| **Mauritius** | 2.64 | 1.72-3.82 | 12.42 | 8.09-17.97 | Region |
| **Myanmar** | 2.64 | 1.72-3.82 | 440.84 | 287.22-637.89 | Region |
| **Philippines** | 1.75 | 1.66-1.85 | 573.82 | 544.51-605.34 | Country |
| **Seychelles** | 2.64 | 1.72-3.82 | 0.93 | 0.6-1.34 | Region |
| **Sri Lanka** | 3.18 | 3.02-3.36 | 218.77 | 207.36-231.31 | Country |
| **Thailand** | 5.75 | 5.67-5.84 | 1482.86 | 1459.75-1505.75 | Country |
| **Timor-Leste** | 2.64 | 1.72-3.82 | 9.02 | 5.88-13.05 | Region |
| **Vietnam** | 1.28 | 1.18-1.37 | 425.15 | 392.63-458.09 | Country |
| **Oceania** | 3.08 | 1.79-5.46 | 95.35 | 54.68-153.58 | REGION |
| **Fiji** | 2.54 | 1.14-3.39 | 6.99 | 3.13-10.49 | Country |
| **Guam** | 3.08 | 1.79-5.46 | 1.77 | 1.03-3.13 | Region |
| **Kiribati** | 3.08 | 1.79-5.46 | 0.97 | 0.56-1.72 | Region |
| **Marshall Islands** | 3.08 | 1.79-5.46 | 0.43 | 0.25-0.76 | Region |
| **Micronesia (Fed. States of)** | 3.08 | 1.79-5.46 | 1.05 | 0.61-1.87 | Region |
| **Papua New Guinea** | 3.08 | 1.79-5.46 | 75.98 | 44.16-134.69 | Region |

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| **Samoa** | 8.32 | 3.91-10.95 | 4.41 | 2.07-6.51 | Country |
| **Solomon Islands** | 3.08 | 1.79-5.46 | 5.28 | 3.07-9.35 | Region |
| **Tonga** | 6.51 | 3.01-8.67 | 1.77 | 0.82-2.71 | Country |
| **Vanuatu** | 3.08 | 1.79-5.46 | 2.44 | 1.42-4.32 | Region |
| **Sub-Saharan Africa** | 3.18 | 2.27-4.32 | 8043.06 | 5750.76-10932.19 | SUPER-REGION |
| **Sub-Saharan Africa, central** | 3.76 | 2.49-6.03 | 1110.65 | 733.6-1781.37 | REGION |
| **Angola** | 4.15 | 3.9-4.42 | 284.58 | 267.25-302.02 | Country |
| **Central African Republic** | 3.76 | 2.49-6.03 | 39.01 | 25.83-62.56 | Region |
| **Congo** | 6.27 | 4.94-7.89 | 96.51 | 86.97-105.36 | Country |
| **Democratic Republic of the Congo** | 5.22 | 4.88-5.59 | 1006.51 | 941.08-1076.38 | Country |
| **Equatorial Guinea** | 3.76 | 2.49-6.03 | 17.21 | 11.4-27.6 | Region |
| **Gabon** | 4.58 | 4.27-4.88 | 28.24 | 26.36-30.14 | Country |
| **Sub-Saharan Africa, eastern** | 2.71 | 1.63-3.85 | 2663.62 | 1601.78-3777.31 | REGION |
| **Burundi** | 2.71 | 1.63-3.85 | 69.93 | 42.06-99.35 | Region |
| **Comoros** | 2.71 | 1.63-3.85 | 5.97 | 3.59-8.49 | Region |
| **Djibouti** | 2.71 | 1.63-3.85 | 8.7 | 5.23-12.35 | Region |
| **Eritrea** | 2.71 | 1.63-3.85 | 22.82 | 13.73-32.42 | Region |
| **Ethiopia** | 1.75 | 1.67-1.82 | 484.67 | 463.99-503.89 | Country |
| **Kenya** | 5.08 | 4.91-5.26 | 672.04 | 649.65-695.21 | Country |
| **Madagascar** | 1.72 | 1.45-2.01 | 115.25 | 97.46-134.58 | Country |
| **Malawi** | 2.71 | 1.63-3.85 | 113.84 | 68.47-161.73 | Region |
| **Mozambique** | 2.71 | 1.63-3.85 | 176.77 | 106.32-251.13 | Region |
| **Rwanda** | 0.55 | 0.36-0.79 | 17.35 | 11.31-24.9 | Country |
| **Somalia** | 2.71 | 1.63-3.85 | 89.96 | 54.11-127.8 | Region |
| **South Sudan** | 2.71 | 1.63-3.85 | 71.94 | 43.27-102.2 | Region |
| **Uganda** | 2.71 | 1.63-3.85 | 251.78 | 151.44-357.7 | Region |
| **United Republic of Tanzania** | 2.83 | 2.18-3.64 | 381.41 | 293.38-489.88 | Country |
| **Zambia** | 2.71 | 1.63-3.85 | 107.25 | 64.51-152.36 | Region |
| **Sub-Saharan Africa, southern** | 3.35 | 2.02-5.5 | 784.42 | 472.24-1287.36 | REGION |
| **Botswana** | 3.35 | 2.02-5.5 | 21.03 | 12.68-34.53 | Region |
| **Lesotho** | 3.35 | 2.02-5.5 | 20.19 | 12.18-33.15 | Region |
| **Namibia** | 3.35 | 2.02-5.5 | 21.5 | 12.97-35.3 | Region |
| **South Africa** | 4.14 | 4.04-4.23 | 749.7 | 731.47-767.11 | Country |
| **Eswatini** | 3.35 | 2.02-5.5 | 9.59 | 5.78-15.75 | Region |
| **Zimbabwe** | 3.35 | 2.02-5.5 | 105.48 | 63.6-173.17 | Region |
| **Sub-Saharan Africa, western** | 3.38 | 2.32-4.79 | 3448.98 | 2367.97-4883.81 | REGION |
| **Benin** | 3.38 | 2.32-4.79 | 95.36 | 65.45-135.14 | Region |
| **Burkina Faso** | 3.38 | 2.32-4.79 | 153.75 | 105.53-217.89 | Region |
| **Cote d'Ivoire** | 5.45 | 5.13-5.78 | 345.82 | 325.49-366.78 | Country |

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|---|---|---|---|---|---|
| **Cameroon** | 1.98 | 1.79-2.17 | 122.94 | 111.49-135 | Country |
| **Cabo Verde** | 3.38 | 2.32-4.79 | 5.93 | 4.07-8.41 | Region |
| **Chad** | 3.38 | 2.32-4.79 | 116.14 | 79.72-164.59 | Region |
| **Gambia** | 3.38 | 2.32-4.79 | 18.04 | 12.38-25.57 | Region |
| **Ghana** | 2 | 1.65-2.43 | 165.5 | 135.66-201.39 | Country |
| **Guinea** | 7.02 | 6.65-7.44 | 192.71 | 182.16-203.84 | Country |
| **Guinea-Bissau** | 3.38 | 2.32-4.79 | 15 | 10.29-21.25 | Region |
| **Liberia** | 3.38 | 2.32-4.79 | 41.27 | 28.32-58.48 | Region |
| **Mali** | 3.38 | 2.32-4.79 | 140.75 | 96.61-199.47 | Region |
| **Mauritania** | 3.38 | 2.32-4.79 | 39.18 | 26.89-55.52 | Region |
| **Niger** | 3.38 | 2.32-4.79 | 159.26 | 109.31-225.7 | Region |
| **Nigeria** | 4.89 | 4.73-5.05 | 2323.39 | 2247.04-2399.52 | Country |
| **Sao Tome and Principe** | 3.38 | 2.32-4.79 | 1.72 | 1.18-2.43 | Region |
| **Senegal** | 3.38 | 2.32-4.79 | 123.96 | 85.09-175.68 | Region |
| **Sierra Leone** | 3.38 | 2.32-4.79 | 65.23 | 44.78-92.45 | Region |
| **Togo** | 3.33 | 3.09-3.62 | 66.17 | 61.3-71.81 | Country |