Supplementary Online Content

Karimkhani C, Dellavalle RP, Coffeng LE, et al. Global skin disease morbidity and mortality: an update from the Global Burden of Disease Study 2013. *JAMA Dermatol.* Published online March 1, 2017. doi:10.1001/jamadermatol.2016.5538

eTable 1. ICD-9 and -10 code definitions of 15 skin disease categories
eTable 2. GBD 2013 skin disease data sources

This supplementary material has been provided by the authors to give readers additional information about their work.
**eTable 1. ICD-9 and -10 code definitions of 15 skin disease categories**

| Skin disease                          | ICD-10 codes                                                                 | ICD-9 codes          |
|---------------------------------------|-----------------------------------------------------------------------------|----------------------|
| Dermatitis                            | L20-L23.2, L23.4-L24.3, L24.5-L25.0, L25.2-L27, L27.2-L27.9                  | 690-692              |
| Psoriasis                             | L40-L41.9                                                                   | 696                  |
| Cellulitis                            | L03-L04                                                                    | 681, 682             |
| Pyoderma                              | A31.1, A31.2, A46, L00-L02.93, L04.0-L05.92, L08-L08.9, L88, L97-L98.499      | 680, 683, 684, 686, 707.1, 707.8, 707.9 |
| Scabies                               | B86                                                                        | 133.0                |
| Fungal skin diseases                  | B35-B36.9                                                                  | 110, 111             |
| Viral skin diseases                   | B07-B09                                                                    | 78                   |
| Acne vulgaris                         | L70-L70.3, L70.8, L70.9, L73.0                                             | 706.0, 706.1         |
| Alopecia areata                       | L63-L63.3, L63.8, L63.9                                                   | 704.0                |
| Pruritus                              | L29-L29.9                                                                  | 698                  |
| Urticaria                             | L50-L50.9                                                                  | 708                  |
| Decubitus ulcer                       | L89-L89.95                                                                 | 707                  |
| Keratinocyte carcinoma                | C44-C44.9                                                                  | 173, 232, 238.2      |
| Melanoma                              | C43-C43.9, C4A, Z85.82-Z85.82                                               | 172                  |
| Other skin and subcutaneous diseases  | B85-B85.4, B87-B88.9, L10-L14, L28-L28.2, L30-L30.9, L42-L45, L49-L49.9, L51-L55.9, L56.1-L57.9, L59-L60.9, L62-L62.8, L64-L68.9, L70.4, L70.5, L71-L73, L73.1-L76.82, L80-L87.9, L90-L92.9, L94-L95.9, L98.5, L98.6 | 685, 693, 694, 695, 697, 700, 701, 702-706, 709 |
**eTable 2. GBD 2013 skin disease data sources**

| Skin condition      | Citation                                                                                                                                                                                                 | Location     | Years studied |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|
| Acne vulgaris       | Nijsten T, Rombouts S, Lambert J. Acne is prevalent but use of its treatments is infrequent among adolescents from the general population. J Eur Acad Dermatol Venereol 2007;21(2):163-8. | Belgium      | 2004-2005     |
|                     | Bechelli LM, Haddad N, Pimenta WP, Pagnano PM, Melchior E Jr, Fregnan RC, Zanin LC, Arenas A. Epidemiological survey of skin diseases in schoolchildren living in the Purus Valley (Acre State, Amazonia, Brazil). Dermatologica 1981;163(1):78-93. | Brazil       | 1974-1975     |
|                     | Laczynski CMM, Cestari S da CP. Prevalence of dermatosis in scholars in the region of ABC paulista. An Bras Dermatol 2011;86(3):469-76. | Brazil       | 2006          |
|                     | Bissek A-CZ-K, Tabah EN, Kouotou E, Sini V, Yepnjio FN, Nditanchou R, Nchufor RN, Defo D, Dema F, Fonsah JY, Njamnshi AK, Muna WFT. The spectrum of skin diseases in a rural setting in Cameroon (sub-Saharan Africa). BMC Dermatol 2012;7. | Cameroon     | 2010          |
|                     | Shen Y, Wang T, Zhou C, Wang X, Ding X, Tian S, Liu Y, Peng G, Xue S, Zhou J, Wang R, Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. Prevalence of acne vulgaris in Chinese adolescents and adults: a community-based study of 17,345 subjects in six cities. Acta Derm Venereol 2012;92(1):40-4. | China        | 2009-2011     |
|                     | Abdel-Hafez K, Abdel-Aty MA, Hofny ERM. Prevalence of skin diseases in rural areas of Assiut Governorate, Upper Egypt. Int J Dermatol 2003;42(11):887-92. | Egypt        | 1994-1996     |
|                     | Yamamah GA, Emam HM, Abdelhamid MF, Elsaie ML, Shehata H, Farid T, Kamel MI, Taalat AA. Epidemiologic study of dermatologic disorders among children in South Sinai, Egypt. Int J Dermatol 2012;51(10):1180-5. | Egypt        | 2008-2009     |
|                     | Accorsi S, Barnabas GA, Farese P, Padovese V, Terranova M, Racalbuto V, Morrone A. Skin disorders and disease profile of poverty: analysis of medical records in Tigray, northern Ethiopia, 2005-2007. Trans R Soc Trop Med Hyg 2009;103(5):469-75. | Ethiopia     | 2005-2007     |
|                     | Figueroa JJ, Fuller LC, Abraha A, Hay RJ.                                                                                                                                                             | Ethiopia     | 1994          |
| Study Title                                                                 | Location | Year |
|---------------------------------------------------------------------------|----------|------|
| Dermatology in southwestern Ethiopia: rationale for a community approach. | Ethiopia | 1998 |
| Leekassa R, Bizuneh E, Alem A, Fekadu A, Shibre T. Community diagnosis of  | Ethiopia | 2005 |
| common skin diseases in the Zay community of the Zeway Islands, Ethiopia. |          |      |
| Ethiopian Med J 2005;43(3):189-95.                                         |          |      |
| Poli F, Dreno B, Verschoore M. An epidemiological study of acne in female | France   | 1998 |
| adults: results of a survey conducted in France. J Eur Acad Dermatol       |          |      |
| Venereol 2001;15(6):541-5.                                                 |          |      |
| Augustin M, Herberger K, Hintzen S, Heigel H, Franzke N, Schäfer I.       | Germany  | 2002-2009 |
| Prevalence of skin lesions and need for treatment in a cohort of 90,880   |          |      |
| workers. Br J Dermatol 2011;165(4):865-73.                                 |          |      |
| Schäfer I, Rustenbach SJ, Zimmer L, Augustin M. Prevalence of skin        | Germany  | 2001-2005 |
| diseases in a cohort of 48,665 employees in Germany. Dermatology (Basel)  |          |      |
| 2008;217(2):169-72.                                                        |          |      |
| Schäfer T, Nienhaus A, Vieluf D, Berger J, Ring J. Epidemiology of acne    | Germany  | 1998-2000 |
| in the general population: the risk of smoking. Br J Dermatol 2001;145(1): |          |      |
| 100-4.                                                                    |          |      |
| Hogewoning AA, Koelemij I, Amoah AS, Bouwes Bavinck JN, Aryeetey Y,       | Ghana    | 2007 |
| Hartgers F, Yazdanbakhsh M, Willemze R, Boakye DA, Lavrijsen APM.          |          |      |
| Prevalence and risk factors of inflammatory acne vulgaris in rural and    |          |      |
| urban Ghanaian schoolchildren. Br J Dermatol 2009;161(2):475-7.            |          |      |
| Tasoula E, Gregoriou S, Chalikias J, Lazarou D, Danopoulos I,             | Greece   | 2007-2009 |
| Katsambas A, Rigopoulos D. The impact of acne vulgaris on quality of life   |          |      |
| and psychic health in young adolescents in Greece. Results of a population |          |      |
| survey. An Bras Dermatol 2012;87(6):862-9.                                 |          |      |
| Fung WK, Lo KK. Prevalence of skin disease among school children and      | Hong Kong Special Administrative Region of | 1996-1997 |
| adolescents in a Student Health Service Center in Hong Kong. Pediatr      | China    |      |
| Dermatol 2000;17(6):440-6.                                                |          |      |
| Grover S, Ranyal RK, Bedi MK. A cross section of skin diseases in rural   | India    | 2005 |
| Allahabad. Indian J Dermatol 2008;53(4):179-81.                            |          |      |
| Al-Rubiay KK, Al-Rubaipy LK. Dermatoepidemiology: A Household Survey       | Iraq     | 2005 |
| Among Two Urban Areas In Basrah City, Iraq. Internet J Dermatol 2006;4(2): |          |      |
| 10.                                                                        |          |      |
| Authors                                                                 | Country         | Year       |
|-----------------------------------------------------------------------|-----------------|------------|
| Hanisah A, Omar K, Shah SA. Prevalence of acne and its impact on the quality of life in school-aged adolescents in Malaysia. J Prim Health Care 2009;1(1):20-5. | Malaysia        | 2006-2008  |
| Hay RJ, Castanon RE, Hernandez HA, Lopez GC, Fuentes LF, Solis SP, Andersson N. Wastage of family income on skin disease in Mexico. BMJ 1994;309(6958):848. | Mexico          | 1993       |
| Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. Skin disease is common in rural Nepal: results of a point prevalence study. Br J Dermatol 2008;158(2):334-8. | Nepal           | 2004-2006  |
| Lello J, Pearl A, Arroll B, Yallop J, Birchall NM. Prevalence of acne vulgaris in Auckland senior high school students. N Z Med J 1995;108(1004):287-9. | New Zealand     | 1993       |
| Purvis D, Robinson E, Watson P. Acne prevalence in secondary school students and their perceived difficulty in accessing acne treatment. N Z Med J 2004;117(1200):1018. | New Zealand     | 2001       |
| Ogunbiyi AO, Omigbodun Y, Owoaje E. Prevalence of skin disorders in school children in southwest Nigeria. Int J Adolesc Med Health 2009;21(2):235-41. | Nigeria         | 2006-2008  |
| Yahya H. Change in pattern of skin disease in Kaduna, north-central Nigeria. Int J Dermatol 2007;46(9):936-43. | Nigeria         | 2007       |
| Dalgard F, Gieler U, Holm JØ, Bjertness E, Hauser S. Self-esteem and body satisfaction among late adolescents with acne: results from a population survey. J Am Acad Dermatol 2008;59(5):746-51. | Norway          | 2004       |
| Halvorsen JA, Braae Olesen A, Thoresen M, Holm JØ, Bjertness E, Dalgard F. Comparison of self-reported skin complaints with objective skin signs among adolescents. Acta Derm Venereol 2008;88(6):573-7. | Norway          | 2006       |
| Bechelli LM, Haddad N, Pimenta WP, Pagnano PM, Melchior E Jr, Fregnano RC, Zanin LC, Arenas A. Epidemiological survey of skin diseases in schoolchildren living in the Purus Valley (Acre State, Amazonia, Brazil). Dermatologica 1981;163(1):78-93. | Peru            | 1995       |
| Freyre EA, Rebaza RM, Sami DA, Lozada CP. The prevalence of facial acne in Peruvian adolescents and its relation to their ethnicity. J Adolesc Health 1998;22(6):480-4. | Peru            | 1995       |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Author(s)                                      | Country        | Year       |
|-----------------------------------------------|----------------|------------|
| Gutierrez EL, Galarza C, Ramos W, Tello M, Jiménez G, Ronceros G, Chía H, Hurtado J, Ortega-Loayza AG | Peru           | 2006-2008  |
| Amado JM, Matos ME, Abreu AM, Loureiro L, Oliveira J, Verde A, Massa A. | Portugal       | 2005-2006  |
| Massa A, Alves R, Amado J, Matos E, Sanches M, Selores M, Santos C, Costa V, Velho G, Oliveira M, Ferreira E, Taveira M, Silva NS, Granado E, Lemos A, Calheiros JM. | Portugal       | 1998       |
| Popescu R, Popescu CM, Williams HC, Forsea D. | Romania        | 1995       |
| Al-Saeed WY, Al-Dawood KM, Bukhari IA, Bahnassy AA. | Saudi Arabia   | 2003       |
| Amin TT, Ali A, Kaliyadan F. | Saudi Arabia   | 2009       |
| Bahamdan K, Mahfouz AA, Tallab T, Badawi IA, al-Amari OM. | Saudi Arabia   | 1995-1996  |
| Tan H-H, Tan AWH, Barkham T, Yan X-Y, Zhu M. | Singapore      | 2006-2007  |
| Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunaratne LDA. | Sri Lanka      | 1997       |
| Chen G-Y, Cheng Y-W, Wang C-Y, Hsu T-J, Hsu MM-L, Yang P-T, Chen W-C. | Taiwan         | 2005       |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Reference                                                                 | Country     | Year   |
|--------------------------------------------------------------------------|-------------|--------|
| Yang Y-C, Cheng Y-W, Lai C-S, Chen W. Prevalence of childhood acne, ephelides, warts, atopic dermatitis, psoriasis, alopecia areata and keloid in Kaohsiung County, Taiwan: a community-based clinical survey. J Eur Acad Dermatol Venereol 2007;21(5):643-9. | Taiwan      | 2005   |
| Yang Y-C, Cheng Y-W, Lai C-S, Chen W. Prevalence of childhood acne, ephelides, warts, atopic dermatitis, psoriasis, alopecia areata and keloid in Kaohsiung County, Taiwan: a community-based clinical survey. J Eur Acad Dermatol Venereol 2007;21(5):643-9. | Taiwan      | 2004   |
| Gibbs, S. Skin disease and socioeconomic conditions in rural Africa: Tanzania. Int J Dermatol 1996;35(9):633-9. | Tanzania    | 1995   |
| Henderson CA. Skin disease in rural Tanzania. Int J Dermatol 1996;35(9):640-2. | Tanzania    | 1991   |
| Komba EV, Mgonda YM. The spectrum of dermatological disorders among primary school children in Dar es Salaam. BMC Public Health 2010;10(1):765. | Tanzania    | 2008-2010 |
| Satimia FT, McBride SR, Leppard B. Prevalence of skin disease in rural Tanzania and factors influencing the choice of health care, modern or traditional. Arch Dermatol 1998;134(11):1363-6. | Tanzania    | 1996   |
| Aksu AEK, Metintas S, Saracoglu ZN, Gurel G, Sabuncu I, Arikan I, Kalyoncu C. Acne: prevalence and relationship with dietary habits in Eskisehir, Turkey. J Eur Acad Dermatol Venereol 2012;26(12):1503-9. | Turkey      | 2010-2011 |
| Aktan S, Ozmen E, Sanli B. Anxiety, depression, and nature of acne vulgaris in adolescents. Int J Dermatol 2000;39(5):354-7. | Turkey      | 1998-2000 |
| Tuncel AA, Erbaci Z. Prevalence of skin diseases among male adolescent and post-adolescent boarding school students in Turkey. J Dermatol 2005;32(7):557-64. | Turkey      | 2004   |
| Unsal A, Ayranci U. Prevalence of students with symptoms of depression among high school students in a district of western Turkey: an epidemiological study. J Sch Health 2008;78(5):287-93. | Turkey      | 2006   |
| Uslu G, Sendur N, Uslu M, Savk E, Karaman G, Eskin M. Acne: prevalence, perceptions and effects on psychological health among adolescents in | Turkey      | 2004-2006 |
| Location          | Study Details                                                                                                                                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Aydin, Turkey     | J Eur Acad Dermatol Venereol 2008;22(4):462-9                                                                                                     |
| United Kingdom    | Stathakis V, Kilkenny M, Marks R. Descriptive epidemiology of acne vulgaris in the community. Australas J Dermatol 1997;38(3):115-23.             |
| Yucatan           | Paek SY, Koriakos A, Saxton-Daniels S, Pandya AG. Skin diseases in rural Yucatan, Mexico. Int J Dermatol 2012;51(7):823-8.                    |
| Brazil            | Bechelli LM, Haddad N, Pimenta WP, Pagnano PM, Melchior E Jr, Fregnan RC, Zanin LC, Arenas A. Epidemiological survey of skin diseases in schoolchildren living in the Purus Valley (Acre State, Amazonia, Brazil). Dermatologica 1981;163(1):78-93. |
| Canada            | Canadian Institute for Health Information (CIHI). Canada National Ambulatory Care Reporting System 2002-2003. Ottawa, Canada: Canadian Institute for Health Information (CIHI). |
| Iraq              | Al-Rubiay KK, Al-Rubaiy LK. Dermatopepidemiology: A Household Survey Among Two Urban Areas In Basrah City, Iraq. Internet J Dermatol 2006;4(2):10. |
| Nepal             | Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. Skin disease is common in rural Nepal: results of a point prevalence study. Br J Dermatol 2008;158(2):334-8. |
| Saudi Arabia      | Al-Saeed WY, Al-Dawood KM, Bukhari IA, Bahnassy AA. Prevalence and pattern of skin disorders among female schoolchildren in Eastern Saudi Arabia. Saudi Med J 2006;27(2):227-34. |
| Saudi Arabia      | Amin TT, Ali A, Kaliyadan F. Skin disorders among male primary school children in Al Hassa, Saudi Arabia: prevalence and socio-demographic correlates--a comparison of urban and rural populations. Rural Remote Health 2011;11(1):1517. |
| Sri Lanka         | Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunaratne LDA. Prevalence of skin diseases in suburban Sri Lanka. Ceylon Med J |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Year | Citation |
|------|----------|
| 2005 | Chen G-Y, Cheng Y-W, Wang C-Y, Hsu T-J, Hsu MM-L, Yang P-T, Chen W-C. Prevalence of skin diseases among schoolchildren in Magong, Penghu, Taiwan: a community-based clinical survey. J Formos Med Assoc 2008;107(1):21-9. |
| 2004-2005 | Yang Y-C, Cheng Y-W, Lai C-S, Chen W. Prevalence of childhood acne, ephelides, warts, atopic dermatitis, psoriasis, alopecia areata and keloid in Kaohsiung County, Taiwan: a community-based clinical survey. J Eur Acad Dermatol Venereol 2007;21(5):643-9. |
| 1995 | Gibbs, S. Skin disease and socioeconomic conditions in rural Africa: Tanzania. Int J Dermatol 1996;35(9):633-9. |
| 2007-2010 | Komba EV, Mgonda YM. The spectrum of dermatological disorders among primary school children in Dar es Salaam. BMC Public Health 2010;10(1):765. |
| 1995-2001 | Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 1995. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). |
| 1995-2001 | Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 1995. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). |
| 2002-2006 | Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 2002. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). |
| 2002-2006 | Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 2002. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). |
| Source                                                                 | United States | Year          |
|----------------------------------------------------------------------|---------------|---------------|
| Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). |               |               |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Ambulatory Medical Care Survey 2007. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 2007-2010     |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 2007. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 2007-2010     |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 1995 and United States National Hospital Ambulatory Medical Care Survey 2010. | United States | 1995-2009     |
| Safavi K. Prevalence of alopecia areata in the First National Health and Nutrition Examination Survey. Arch Dermatol 1992;128(5):702. | United States | 1971-1974     |
| Bacterial skin diseases                                                                                                      |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico), Baja California 2000-2011 |
| Federal Ministry of Health (Austria), Statistics Austria. Austria Hospital Inpatient Discharges 1989. Vienna, Austria: Statistics Austria. | Austria       | 1989-2010     |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Baja California | 2000-2011   |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Baja California Sur | 2000-2011   |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Belgium | 2003-2009     |
| Source                                                                 | Location         | Period       |
|-----------------------------------------------------------------------|------------------|--------------|
| Brazil Hospital Information System 2006.                               | Brazil           | 2006-2009    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Campeche         | 2000-2011    |
| Canadian Institute for Health Information (CIHI). Canada Discharge    | Canada           | 1994-2009    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Chiapas          | 2000-2011    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Chihuahua        | 2000-2011    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Coahuila         | 2000-2011    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Colima           | 2000-2011    |
| WHO Regional Office for Europe (EURO-WHO). European Hospital          | Croatia          | 2002-2011    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Cyprus           | 2002-2010    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Czech Republic   | 2000-2010    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Denmark          | 2003-2006    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Distrito Federal | 2000-2011    |
| Ministry of Health (Mexico). Mexico Ministry of Hospital Discharges.  | Durango          | 2000-2011    |
| NHS England. United Kingdom - England Hospital                         | East             | 2002-2006    |
| Episode Statistics. | Midlands | 2012 |
|---------------------|----------|------|
| NHS England. United Kingdom - England Hospital Episode Statistics. | East of England | 2002-2012 |
| National Institute of Statistics and Censuses (Ecuador). Ecuador Hospital Inpatient Discharges 1997. Quito, Ecuador: National Institute of Statistics and Censuses (Ecuador). | Ecuador | 1997-2011 |
| Abdel-Hafez K, Abdel-Aty MA, Hofny ERM. Prevalence of skin diseases in rural areas of Assiut Governorate, Upper Egypt. Int J Dermatol 2003;42(11):887-92. | Egypt | 1994-1996 |
| Dagnew MB, Günther E. Epidemiology of communicable skin diseases in school children of a rural area in North Ethiopia. Dermatol Monatsschr 1990;176(176):219-23. | Ethiopia | 1989 |
| Leekassa R, Bizuneh E, Alem A, Fekadu A, Shibre T. Community diagnosis of common skin diseases in the Zay community of the Zeway Islands, Ethiopia. Ethiop Med J 2005;43(3):189-95. | Ethiopia | 1998 |
| Woldeamanuel Y, Leekassa R, Chryssanthou E, Menghistu Y, Petrini B. Prevalence of tinea capitis in Ethiopian schoolchildren. Mycoses 2005;48(2):137-41. | Ethiopia | 2004 |
| Woldeamanuel Y, Leekassa R, Chryssanthou E, Menghistu Y, Petrini B. Prevalence of tinea capitis in Ethiopian schoolchildren. Mycoses 2005;48(2):137-41. | Ethiopia | 2003-2005 |
| Steer AC, Jenney AWJ, Kado J, Batzloff MR, La Vincente S, Waqatakirewa L, Mulholland EK, Carapetis JR. High burden of impetigo and scabies in a tropical country. PLoS Negl Trop Dis 2009;3(6):e467. | Fiji | 2006-2007 |
| Thomas M, Woodfield G, Moses C, Amos G. Soil-transmitted helminth infection, skin infection, anaemia, and growth retardation in schoolchildren of Taveuni Island, Fiji. N Z Med J 2005;118(1216):1492. | Fiji | 2004 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Finland | 2002-2009 |
| Kramkimel N, Soussan V, Beuchet A, Duhamel A, Saiag P, Chevallier B, Mahé E. High frequency, diversity and severity of skin diseases in a paediatric emergency department. J Eur Acad Dermatol Venereol 2010;24(12):1468-75. | France | 2006 |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Reference                                                                 | Country          | Period          |
|--------------------------------------------------------------------------|------------------|-----------------|
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol 2013;52(5):589-600. | Gabon            | 2004-2005, 2007 |
| NHS England. United Kingdom - England Hospital Episode Statistics 2002-2003. | Greater London   | 2002-2012       |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges 2000. Mexico City, Mexico: Ministry of Health (Mexico). | Guanajuato       | 2000-2011       |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges 2000. Mexico City, Mexico: Ministry of Health (Mexico). | Guerrero         | 2000-2011       |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges 2000. Mexico City, Mexico: Ministry of Health (Mexico). | Hidalgo          | 2000-2011       |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Iceland          | 2000-2008       |
| Kumar R, Vohra H, Chakraborty A, Sharma YP, Bandhopadhya S, Dhanda V, Sagar V, Sharma M, Shah B, Ganguly NK. Epidemiology of group A streptococcal pharyngitis and impetigo: a cross-sectional and follow up study in a rural community of northern India. Indian J Med Res 2009;130(6):765-771. | India            | 2000-2002       |
| Patel JK, Vyas AP, Berman B, Vierra M. Incidence of childhood dermatosis in India. Skinmed 2010;8(3):136-42. | India            | 2000-2002       |
| Al-Rubiay KK, Al-Rubaiv LK. Dermatopathology: A Household Survey Among Two Urban Areas In Basrah City, Iraq. Internet J Dermatol 2006;4(2):10 | Iraq             | 2005            |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Israel           | 1999-2009       |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Italy            | 2002-2006, 2010 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges 2000. Mexico City, Mexico: Ministry of Health (Mexico). | Jalisco          | 2000-2011       |
| Schmeller W, Dzikus A. Skin diseases in children | Kenya            | 1993,           |
| Source                                                                 | Country                      | Dates       |
|----------------------------------------------------------------------|------------------------------|-------------|
| in rural Kenya: long term results of a dermatology project within the primary health care system. Br J Dermatol 2001;144(1):118-124. |                              | 1999        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Latvia                        | 2004-2011   |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Lithuania                     | 2001-2010   |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Luxembourg                    | 2002-2010   |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Malta                         | 2009-2011   |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Mexico                        | 2000-2011   |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Michoacan de Ocampo           | 2000-2011   |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Morelos                       | 2000-2011   |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Nayarit                       | 2000-2011   |
| Oyedeji O, Okeniyi J, Ogunlesi T, Onayemi O, Oyedeji G, Oyelami O. Parental factors influencing the prevalence of skin infections and infestations among Nigerian primary school pupils. Internet J Dermatol 2006;3(2):6. | Nigeria                       | 2003        |
| NHS England. United Kingdom - England Hospital Episode Statistics. | North East England            | 2002-2012   |
| NHS England. United Kingdom - England Hospital Episode Statistics. | North West England            | 2002-2012   |
| RÅrtveit S, Skutlaberg DH, Langeland N, Rortveit G. Impetigo in a population over 8.5 years: incidence, fusidic acid resistance and molecular characteristics. J Antimicrob Chemother 2011;66(6):1360-4. | Norway                       | 2001-2009   |
| WHO Regional Office for Europe (EURO-WHO). | Norway                       | 2002-2011   |
| Reference                                                                 | Year       | Location          |
|--------------------------------------------------------------------------|------------|-------------------|
| European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2011       |                   |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Nuevo Leon | 2000-2011         |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Oaxaca     | 2000-2011         |
| Luby SP, Agboatwalla M, Feikin DR, Painter J, Billhimer W, Altaf A, Hoekstra, RM. Effect of handwashing on child health: a randomised controlled trial. Lancet 2005;366(9481):225-233. | Pakistan   | 2002-2003         |
| Gutierrez EL, Galarza C, Ramos W. Prevalencia de Enfermedades Dermatológicas en una comunidad rural de Ucayali, Perú. Dermatol Peru 2009;19(2):104-13. | Peru       | 2005              |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Poland     | 2003-2010         |
| Massa A, Alves R, Amado J, Matos E, Sanches M, Selores M, Santos C, Costa V, Velho G, Oliveira M, Ferreira E, Taveira M, Silva NS, Granado E, Lemos A, Calheiros JM. Prevalence of cutaneous lesions in Freixo de Espada à Cinta. Acta Med Port 2000;13(5-6):247-54. | Portugal   | 1998              |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Portugal   | 2004-2008         |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Puebla     | 2000-2011         |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Queretaro   | 2000-2011         |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Quintana Roo | 2000-2011       |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnik A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol 2013;52(5):589-600. | Rwanda     | 2007              |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | San Luis    | 2000-2011         |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Source                                                                 | Location         | Year     |
|-----------------------------------------------------------------------|------------------|----------|
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Potosi           | 2011     |
| Amin TT, Ali A, Kaliyadan F. Skin disorders among male primary school children in Al Hassa, Saudi Arabia: prevalence and socio-demographic correlates--a comparison of urban and rural populations. Rural Remote Health 2011;11(1):1517. | Saudi Arabia     | 2009     |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Sinaloa          | 2000-2011 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Slovakia         | 2002-2010 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Sonora           | 2000-2011 |
| NHS England. United Kingdom - England Hospital Episode Statistics.     | South East England | 2002-2012 |
| NHS England. United Kingdom - England Hospital Episode Statistics.     | South West England | 2002-2012 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Spain            | 2000-2010 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Switzerland      | 2002-2010 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Tabasco          | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Tamaulipas       | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Tlaxcala         | 2000-2011 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | United Kingdom   | 2000-2010 |
| Source在外文 | Description | Year | Country |
|-------------|-------------|------|---------|
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 1979. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 1979-2010 | |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Veracruz de Ignacio de la Llava | 2000-2011 | |
| NHS England. United Kingdom - England Hospital Episode Statistics. | West Midlands | 2002-2012 | |
| NHS England. United Kingdom - England Hospital Episode Statistics. | Yorkshire and the Humber | 2002-2012 | |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Yucatan | 2000-2011 | |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Zacatecas | 2000-2011 | |
| Cellulitis | Federal Ministry of Health (Austria), Statistics Austria. Austria Hospital Inpatient Discharges. Vienna, Austria: Statistics Austria. | Austria | 1989-2010 | |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Belgium | 2003-2009 | |
| Ministry of Health (Brazil). Brazil Hospital Information System 2006. Rio de Janeiro, Brazil: Ministry of Health (Brazil). | Brazil | 2006-2009 | |
| Canadian Institute for Health Information (CIHI). Canada Discharge Abstract Database. Ottawa, Canada: Canadian Institute for Health Information (CIHI). | Canada | 1994-2009 | |
| Canadian Institute for Health Information (CIHI). Canada Discharge Abstract Database 2002 and Canada National Ambulatory Care Reporting System. | Canada | 2002-2009 | |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Croatia | 2002-2011 | |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Cyprus | 2002-2010 | |
| Source                                                                 | Country          | Time Period      |
|----------------------------------------------------------------------|------------------|------------------|
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Czech Republic   | 2000-2010        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Denmark          | 2003-2006        |
| NHS England. United Kingdom - England Hospital Episode Statistics.    | East Midlands     | 2002-2012        |
| NHS England. United Kingdom - England Hospital Episode Statistics.    | East of England  | 2002-2012        |
| National Institute of Statistics and Censuses (Ecuador). Ecuador Hospital Inpatient Discharges. Quito, Ecuador: National Institute of Statistics and Censuses (Ecuador). | Ecuador          | 1997-2010        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Finland          | 2002-2010        |
| NHS England. United Kingdom - England Hospital Episode Statistics.    | Greater London   | 2002-2012        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Iceland          | 2000-2009        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Israel           | 1999-2009        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Italy            | 2002-2006, 2010  |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Latvia           | 2004-2011        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Lithuania        | 2001-2010        |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Luxembourg       | 2002-2010        |
| Region                          | Source                                                                 | Year       |
|--------------------------------|------------------------------------------------------------------------|------------|
| Malta                          | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2009-2011 |
| Mexico                         | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico) | 2000-2011 |
| North East England             | NHS England. United Kingdom - England Hospital Episode Statistics.      | 2002-2012 |
| North West England             | NHS England. United Kingdom - England Hospital Episode Statistics.      | 2002-2012 |
| Norway                         | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2002-2011 |
| Poland                         | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2003-2010 |
| Portugal                       | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2004-2008 |
| Slovakia                       | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2002-2010 |
| Slovenia                       | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2004-2009 |
| South East England             | NHS England. United Kingdom - England Hospital Episode Statistics.      | 2002-2012 |
| South West England             | NHS England. United Kingdom - England Hospital Episode Statistics.      | 2002-2012 |
| Spain                          | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2000-2005 |
| Sweden                         | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2010      |
| Switzerland                    | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | 2002-2010 |
| Source                                                                 | Country     | Year(s)          |
|----------------------------------------------------------------------|-------------|------------------|
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | United Kingdom | 2000-2010 |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 1996. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 1996. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 1996 |
| Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 2002. National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 2002. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 2002 |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 2003. National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 2001. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 2001 |
| Agency for Healthcare Research and Quality. United States Medical Expenditure Panel Survey 1996-2011. Agency for Healthcare Research and Quality. | United States | 1996-2011 |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. | United States | 1995-1998, |
| Source                                                                 | Location                    | Time Period      |
|----------------------------------------------------------------------|-----------------------------|------------------|
| United States National Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States                | 2000-2001        |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 1995. Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 1995. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 1995. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States                | 1995-2001        |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 1995. National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 1995. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). Constella Group, | United States                | 1995-2000        |
| Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 2002. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). Constella Group, | United States                | 2002, 2004-2006   |
| Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 2003. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States 2004-2006 |
| Ellis Simonsen SM, van Orman ER, Hatch BE, Jones SS, Gren LH, Hegmann KT, Lyon JL. Cellulitis incidence in a defined population. Epidemiol Infect. 2006; 134(2): 293-299. | United States 1997-2002 |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey. | United States 2008-2009 |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Ambulatory Medical Care Survey 2007. National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Ambulatory Medical Care Survey 2007. Hyattsville, United | United States 2007-2009 |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Source                                                                 | Country          | Year         |
|-----------------------------------------------------------------------|------------------|--------------|
| States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 2007. | United States    | 2007-2009    |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Hospital Ambulatory Medical Care Survey. National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey. | United States    | 2003         |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 2003. Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 2003. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States    | 2003         |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 2003. National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 2003. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States    | 2003         |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Discharge Survey 1979. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States    | 1979-2004, 2007-2009 |
| Source                                                                 | Country               | Year       |
|-----------------------------------------------------------------------|-----------------------|------------|
| Centers for Disease Control and Prevention (CDC).                      | United States         | 2010       |
| National Center for Health Statistics (NCHS), Centers for Disease     | United States         | 2010       |
| Control and Prevention (CDC), US Census Bureau. United States National |                       |            |
| Hospital Discharge Survey 2010. National Center for Health Statistics  |                       |            |
| (NCHS), Centers for Disease Control and Prevention (CDC), SRA         |                       |            |
| International, Inc., US Census Bureau. United States National Hospital |                       |            |
| Ambulatory Medical Care Survey 2010. Hyattsville, United States:      |                       |            |
| National Center for Health Statistics (NCHS), Centers for Disease     |                       |            |
| Control and Prevention (CDC). National Center for Health Statistics    |                       |            |
| (NCHS), Centers for Disease Control and Prevention (CDC), SRA         |                       |            |
| International, Inc., US Census Bureau. United States National Hospital |                       |            |
| Ambulatory Medical Care Survey 2010. Hyattsville, United States:      |                       |            |
| National Center for Health Statistics (NCHS), Centers for Disease     |                       |            |
| Control and Prevention (CDC). National Center for Health Statistics    |                       |            |
| (NCHS), Centers for Disease Control and Prevention (CDC), SRA         |                       |            |
| International, Inc., US Census Bureau. United States National Hospital |                       |            |
| Ambulatory Medical Care Survey 2010. Hyattsville, United States:      |                       |            |
| National Center for Health Statistics (NCHS), Centers for Disease     |                       |            |
| Control and Prevention (CDC). National Center for Health Statistics    |                       |            |
| (NCHS), Centers for Disease Control and Prevention (CDC). National    |                       | 2002       |
| Center for Health Statistics (NCHS), Centers for Disease Control      | United States         | 2002       |
| and Prevention (CDC). United States National Ambulatory Medical Care  |                       |            |
| Survey 2002 and United States National Hospital Discharge Survey 2002.|                       |            |
| NHS England. United Kingdom - England Hospital Episode Statistics.     | West Midlands          | 2002-2012  |
| NHS England. United Kingdom - England Hospital Episode Statistics.     | Yorkshire and the     | 2002-2012  |
| Decubitus ulcer            Ministry of Health (Mexico). Mexico Ministry of | Aguascalientes        | 2000-2011  |
|                          Health Hospital Discharges. Mexico City, Mexico:      |                       |            |
|                          Ministry of Health (Mexico).                      |                       |            |
| Federal Ministry of Health (Austria), Statistics Austria. Austria      | Austria               | 1989-2010  |
| Hospital Inpatient Discharges. Vienna, Austria: Statistics Austria.   |                       |            |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Source Description                                                                 | Country | Begin Year | End Year |
|------------------------------------------------------------------------------------|---------|------------|----------|
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Baja California | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Baja California Sur | 2000-2011 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Belgium | 2003-2009 |
| Ministry of Health (Brazil). Brazil Hospital Information System. Rio de Janeiro, Brazil: Ministry of Health (Brazil). | Brazil | 2006-2009 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges 2000. Mexico City, Mexico: Ministry of Health (Mexico). | Campeche | 2000-2011 |
| Canadian Institute for Health Information (CIHI). Canada Discharge Abstract Database. Ottawa, Canada: Canadian Institute for Health Information (CIHI). | Canada | 2002-2009 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Chiapas | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges Mexico City, Mexico: Ministry of Health (Mexico). | Chihuahua | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges Mexico City, Mexico: Ministry of Health (Mexico). | Coahuila | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Colima | 2000-2011 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Croatia | 2002-2011 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Cyprus | 2002-2010 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Czech Republic | 2000-2010 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. | Denmark | 2003-2006 |
| Region                        | Data Source                                                                 |
|-------------------------------|-----------------------------------------------------------------------------|
| Distrito Federal, Mexico      | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. |
|                               | Mexico City, Mexico: Ministry of Health (Mexico).                           |
| Durango, Mexico               | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. |
|                               | Mexico City, Mexico: Ministry of Health (Mexico).                           |
| East Midlands, United Kingdom | NHS England. United Kingdom - England Hospital Episode Statistics.           |
| East of England, United King  | NHS England. United Kingdom - England Hospital Episode Statistics.           |
| dom                           | National Institute of Statistics and Censuses (Ecuador). Ecuador Hospital    |
|                               | Inpatient Discharges. Quito, Ecuador: National Institute of Statistics and   |
|                               | Censuses (Ecuador).                                                         |
| Finland, United Kingdom       | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity      |
|                               | Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO).   |
| Greater London, United Kingdom| NHS England. United Kingdom - England Hospital Episode Statistics.           |
| Guanajuato, Mexico            | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. |
|                               | Mexico City, Mexico: Ministry of Health (Mexico).                           |
| Guerrero, Mexico              | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. |
|                               | Mexico City, Mexico: Ministry of Health (Mexico).                           |
| Hidalgo, Mexico               | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. |
|                               | Mexico City, Mexico: Ministry of Health (Mexico).                           |
| Iceland, United Kingdom       | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity       |
|                               | Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO).   |
| Israel, United Kingdom        | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity       |
|                               | Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO).   |
| Italy, United Kingdom         | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity       |
|                               | Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO).   |
| Jalisco, Mexico               | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. |
|                               | Mexico City, Mexico: Ministry of Health (Mexico).                           |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Country          | Database Description                                                                 | Year Range       |
|------------------|----------------------------------------------------------------------------------------|------------------|
| Latvia           | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database.       | 2004-2011        |
| Lithuania        | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database.       | 2001-2010        |
| Luxembourg       | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database.       | 2002-2010        |
| Malta            | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database.       | 2009-2011        |
| Mexico           | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | 2000-2011        |
| Michoacan de Ocampo | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | 2000-2011        |
| Morelos          | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | 2000-2011        |
| Nayarit          | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | 2000-2011        |
| North East England | NHS England. United Kingdom - England Hospital Episode Statistics.                    | 2002-2012        |
| North West England | NHS England. United Kingdom - England Hospital Episode Statistics.                    | 2002-2012        |
| Norway           | Norwegian Directorate of Health. Norway Patient Register.                             | 2008-2012        |
| Norway           | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database.       | 2002-2007        |
| Nuevo Leon       | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | 2000-2011        |
| Oaxaca           | Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | 2000-2011        |
| Poland           | WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database.       | 2003-2010        |
| Data Source | Country/Region | Time Period |
|-------------|----------------|-------------|
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Portugal | 2004-2008 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Puebla | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Queretaro | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Quintana Roo | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | San Luis Potosi | 2000-2011 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Sinaloa | 2000-2011 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Slovakia | 2002-2010 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Slovenia | 2004-2009 |
| Ministry of Health (Mexico). Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). | Sonora | 2000-2011 |
| NHS England. United Kingdom - England Hospital Episode Statistics. | South East England | 2002-2012 |
| NHS England. United Kingdom - England Hospital Episode Statistics. | South West England | 2002-2012 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Spain | 2000-2005 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). | Sweden | 2010 |
| WHO Regional Office for Europe (EURO-WHO). European Hospital Morbidity Database. | Switzerland | 2002-2010 |
| Location                        | Source                                                                 |
|--------------------------------|------------------------------------------------------------------------|
| Copenhagen, Denmark            | WHO Regional Office for Europe (EURO-WHO).                              |
| Ministry of Health (Mexico)    | Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). |
| Tabasco                         | 2000-2011                                                              |
| Ministry of Health (Mexico)    | Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). |
| Tamaulipas                      | 2000-2011                                                              |
| Ministry of Health (Mexico)    | Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). |
| Tlaxcala                        | 2000-2011                                                              |
| Margolis DJ, Bilker W, Knauss J, Baumgarten M, Strom BL | The incidence and prevalence of pressure ulcers among elderly patients in general medical practice. Ann Epidemiol. 2002; 12(5): 321-5. |
| United Kingdom                  | 1989-1996                                                              |
| WHO Regional Office for Europe  | European Hospital Morbidity Database. Copenhagen, Denmark: WHO Regional Office for Europe (EURO-WHO). |
| Agency for Healthcare Research | United States Medical Expenditure Panel Survey 1996-2011. Agency for Healthcare Research and Quality. |
| National Center for Health     | United States National Hospital Discharge Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). |
| United States                  | 1996-2011                                                              |
| Ministry of Health (Mexico)    | Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). |
| Veracruz de Ignacio de la Llave | 2000-2011                                                              |
| NHS England                     | United Kingdom - England Hospital Episode Statistics.                 |
| West Midlands                   | 2002-2012                                                              |
| NHS England                     | United Kingdom - England Hospital Episode Statistics.                 |
| Yorkshire and the Humber        | 2002-2012                                                              |
| Ministry of Health (Mexico)    | Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). |
| Yucatan                         | 2000-2011                                                              |
| Ministry of Health (Mexico)    | Mexico Ministry of Health Hospital Discharges. Mexico City, Mexico: Ministry of Health (Mexico). |
| Zacatecas                       | 2000-2011                                                              |
| Dermatitis                      | Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, |
| Albania                         | 2005-2007                                                              |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Author(s)                                                                 | Year | Country | Study Period          |
|--------------------------------------------------------------------------|------|---------|-----------------------|
| Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group | 2009 | Brunei | 161(4): 846-53.      |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group | 2009 | Albania | 124(6): 1251-1258.    |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR.             | 2008 | Albania | 121(4): 947-954.      |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group | 2009 | Algeria | 124(6): 1251-1258.    |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR.             | 2008 | Algeria | 121(4): 947-954.      |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group | 2009 | Argentina | 124(6): 1251-1258.   |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group | 2010 | Argentina | 20(4): 311-23.       |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR.             | 2008 | Argentina | 121(4): 947-954.     |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Authors | Study Title | Country | Years |
|---------|-------------|---------|-------|
| Kljakovic M, Gatenby P, Hawkins C, Attewell RG, Ciszek K, Kratochvil G, Moreira A, Ponsonby A-L. | The parent-reported prevalence and management of peanut and nut allergy in school children in the Australian Capital Territory | Australia | 2005 |
| Martin PE, Koplin JJ, Eckert JK, Lowe AJ, Ponsonby A-L, Osborne NJ, Gurrin LC, Robinson MN, Hill DJ, Tang MLK, Dharmage SC, Allen KJ, HealthNuts Study Investigators. | The prevalence and socio-demographic risk factors of clinical eczema in infancy: a population-based observational study | Australia | 2008-2011 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three | Australia | 2002 |
| Ponsonby A-L, 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. | Australia | 2000-2005 |
| Tai A, Volkmer R, Burton A. | Association between asthma symptoms and obesity in preschool (4-5 year old) children | Australia | 2006 |
| Tai A, Volkmer R, Burton A. | Prevalence of asthma symptoms and atopic disorders in preschool children and the trend over a decade | Australia | 2006 |
| Williams H, Robertson C, Stewart A, Aït-Khaled N, Anabwani G, Anderson R, Asher I, Beasley R, Björkstén B, Burr M, Clayton T, Crane J, Ellwood P, Keil U, Lai C, Mallol J, Martinez F, Mitchell E, Montefort S, Pearce N, Shah J, Sibbald B, Strachan D, von Mutius E, Weiland SK. | Worldwide variations in the prevalence of symptoms of atopic eczema in the International Study of Asthma and Allergies in Childhood | Australia | 1997 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase | Austria | 2002-2003 |
| Study                                      | Country          | Years          |
|-------------------------------------------|------------------|----------------|
| Schernhammer ES, Vutuc C, Waldhör T, Haidinger G. Time trends of the prevalence of asthma and allergic disease in Austrian children. Pediatr Allergy Immunol. 2008; 19(2): 125-31. | Austria          | 1995-1997, 2001-2003 |
| 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; 21(7): 1028-35. | Austria          | 1995-1997, 2001-2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Austria          | 1995, 2002-2003 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Barbados         | 2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Barbados         | 1994-1996, 2001, 2003 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Beijing          | 2005-2007 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Beijing          | 2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Beijing          | 1994, 2001 |
| Zhao J, Bai J, Shen K, Xiang L, Huang S, Chen A, Huang Y, Wang J, Ye R. Self-reported prevalence of childhood allergic diseases in three cities of | Beijing          | 2008-2009 |
| Study                                                                 | Country          | Year(s)          |
|----------------------------------------------------------------------|------------------|------------------|
| China: a multicenter study. BMC Public Health. 2010; 551.            |                  |                  |
| Shpakou A, Bro?ek 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(4): 339-46. | Belarus          | 2010             |
| Chaumont A, Voisin C, Sardella A, Bernard A. Interactions between domestic water hardness, infant swimming and atopy in the development of childhood eczema. Environ Res. 2012; 52-7. | Belgium          | 2008             |
| Govaere E, Van Gysel D, Verhamme KMC, Doli E, De Baets F. The association of allergic symptoms with sensitization to inhalant allergens in childhood. Pediatr Allergy Immunol. 2009; 20(5): 448-57. | Belgium          | 2004-2005        |
| Govaere E, Van Gysel D, Verhamme KMC, Doli E, Oranje AP, De Baets F. The prevalence, characteristics of and risk factors for eczema in Belgian schoolchildren. Pediatr Dermatol. 2009; 26(2): 129-38. | Belgium          | 2004-2005        |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Belgium          | 2002             |
| Odhiambo JA, Williams HC, Clayon TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Bolivia          | 2002             |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Belgium          | 1995, 2002       |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol | Bolivia          | 2001-2003        |
| Reference                                                                 | Country | Year       |
|--------------------------------------------------------------------------|---------|------------|
| Castro LKK de, 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; 36(3): 286-92. | Brazil  | 2008      |
| Freitas MS, Monteiro JCS, Camelo-Nunes IC, Solé D. Prevalence of asthma symptoms and associated factors in schoolchildren from Brazilian Amazon islands. J Asthma. 2012; 49(6): 600-5. | Brazil  | 2007-2009 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Brazil  | 2000-2003 |
| Palvo F, Toledo EC, Menin AM, Jorge PP, Godoy MF, Sole? D. Risk factors of childhood asthma in Sao Jose do Rio Preto, Sao Paulo, Brazil. J Trop Pediatr. 2008; 54(4): 253-7. | Brazil  | 2003-2004 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Brazil  | 2001-2003 |
| Tejada C dos S, Mendoza-Sassi RA, Almeida HL de Jr, Figueiredo PN, Tejada VF dos S. Impact on the quality of life of dermatological patients in southern Brazil. An Bras Dermatol. 2011; 86(6): 1113-21. | Brazil  | 2008-2009 |
| Toledo MF, Rozov T, Leone C. Prevalence of asthma and allergies in 13- to 14-year-old adolescents and the frequency of risk factors in carriers of current asthma in Taubaté, São Paulo, Brazil. Allergol Immunopathol (Madr). 2011; 39(5): 284-90. | Brazil  | 2008-2010 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Brazil  | 1994-1995, 2001-2003 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Bulgaria | 2002      |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Study Title                                                                 | Location     | Year   |
|---------------------------------------------------------------------------|--------------|--------|
| The spectrum of skin diseases in a rural setting in Cameroon (sub-Saharan Africa). BMC Dermatol. 2012; 7. | Cameroon     | 2010   |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Cameroon     | 2003   |
| Dell SD, Foty RG, Gilbert NL, Jerret M, To T, Walter SD, Stieb DM. Asthma and allergic disease prevalence in a diverse sample of Toronto school children: results from the Toronto Child Health Evaluation Questionnaire (T-CHEQ) Study. Can Respir J. 2010; 17(1): e1-6. | Canada       | 2006   |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Canada       | 2003   |
| Wang H-Y, Pizzichini MMM, Becker AB, Duncan JM, Ferguson AC, Greene JM, Rennie DC, Senthilselvan A, Taylor BW, Sears MR. Disparate geographic prevalences of asthma, allergic rhinoconjunctivitis and atopic eczema among adolescents in five Canadian cities. Pediatr Allergy Immunol. 2010; 21(5): 867-77. | Canada       | 2003   |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Chihuahua    | 2002-2003 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Chihuahua    | 2001-2003 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Chile        | 2001-2002 |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |  |
|---|---|
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Chile | 2001-2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Chile | 1994-1995, 2001 |
| Lee J, Koh D, Andijani M, Saw SM, Munoz C, Chia SE, Wong ML, Hong CY, Ong CN. Effluents from a pulp and paper mill: a skin and health survey of children living in upstream and downstream villages. Occup Environ Med. 2002; 59(6): 373-9. | China | 2001, 2005 |
| Li F, Zhou Y, Li S, Jiang F, Jin X, Yan C, Tian Y, Zhang Y, Tong S, Shen X. Prevalence and risk factors of childhood allergic diseases in eight metropolitan cities in China: a multicenter study. BMC Public Health. 2011; 437. | China | 2005 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | China | 1994-1995, 2001 |
| Zhao J, Bai J, Shen K, Xiang L, Huang S, Chen A, Huang Y, Wang J, Ye R. Self-reported prevalence of childhood allergic diseases in three cities of China: a multicenter study. BMC Public Health. 2010; 551. | Chongqing | 2008-2009 |
| Dennis RJ, Caraballo L, García E, Rojas MX, Rondon MA, Pérez A, Aristizabal G, Peñaranda A, Barragan AM, Ahumada V, Jimenez S. Prevalence of asthma and other allergic conditions in Colombia 2009-2010: a cross-sectional study. BMC Pulm Med. 2012; 17. | Colombia | 2009-2010 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Colombia | 2002 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Colombia | 2001-2003 |
| Study Area | Study Details |
|------------|---------------|
| Congo      | Odhambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Costa Rica | Odhambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Costa Rica | Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. |
| Costa Rica | Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. |
| Cote D’Ivoire | Odhambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Croatia    | Odhambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Cuba       | Odhambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Cuba       | Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. |
| Study                                                                 | Author(s)                                                                 | Country                | Year Range          |
|----------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------|---------------------|
| American ISAAC Phase 3 Study Group. Prevalence                        | Kolokotroni O, Middleton N, Nicolaou N, Pipis S, Priftis KN, Milton DK,    | Cyprus                 | 1999-2000, 2007-2008 |
| of symptoms of eczema in Latin America: results of the International  | Yiallouros PK. Temporal changes in the prevalence of childhood asthma and  |                        |                     |
| Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig| allergies in urban and rural areas of Cyprus: results from two cross      |                        |                     |
| Allergol Clin Immunol. 2010; 20(4): 311-23.                             | sectional studies. BMC Public Health. 2011; 858.                           |                        |                     |
| Odhiambo JA, Williams HC, Clayton TO,                                 | Stensen L, Thomsen SF, Backer V. Change in prevalence of atopic dermatitis | Denmark                | 1986, 2001          |
| Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global         | between 1986 and 2001 among children. Allergy Asthma Proc. 2008; 29(4): |                        |                     |
| variations in prevalence of eczema symptoms in children from ISAAC    | 392-6.                                                                   |                        |                     |
| Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.          | Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC       | Democratic Republic of | 2003                |
|                                                                      | Phase Three Study Group. Global variations in prevalence of eczema        | the Congo              |                     |
|                                                                      | symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol.      |                        |                     |
|                                                                      | 2009; 124(6): 1251-1258.                                                  |                        |                     |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC       | Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC           | Distrito Federal       | 2001-2003           |
| Phase 3 Study Group. Prevalence of symptoms of eczema in Latin        | Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America:  |                        |                     |
| America: results of the International Study of Asthma and Allergies   | results of the International Study of Asthma and Allergies in Childhood   |                        |                     |
| in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; | (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23.    |                        |                     |
| 20(4): 311-23.                                                        | Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC       | Distrito Federal       | 2001-2003           |
|                                                                      | Phase Three Study Group. Global variations in prevalence of eczema        |                        |                     |
|                                                                      | symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol.      |                        |                     |
|                                                                      | 2009; 124(6): 1251-1258.                                                  |                        |                     |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC       | Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC           | Durango                | 2001-2003           |
| Phase 3 Study Group. Prevalence of symptoms of eczema in Latin        | Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America:  |                        |                     |
| America: results of the International Study of Asthma and Allergies   | results of the International Study of Asthma and Allergies in Childhood   |                        |                     |
| in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; | (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23.    |                        |                     |
| 20(4): 311-23.                                                        |Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bräbäck L, Brunekreef B,  | Ecuador                | 2005-2007           |
|                                                                      | Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams   |                        |                     |
|                                                                      | HC, ISAAC Phase Two Study Group. The role of atopic sensitization in     |                        |                     |
|                                                                      | flexural eczema: findings from the International Study of Asthma and      |                        |                     |
|                                                                      | Allergies in Childhood Phase Two. J Allergy                              |                        |                     |
|                                                                      | Investig Allergol Clin Immunol. 2010; 20(4): 311-23.                      |                        |                     |
| Publication | Country | Year(s) |
|-------------|---------|---------|
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Ecuador | 2002-2003 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Ecuador | 2001-2003 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Egypt | 2002 |
| Yamamah GA, Emam HM, Abdelhamid MF, Elsaie ML, Shehata H, Farid T, Kamel MI, Taalat AA. Epidemiologic study of dermatologic disorders among children in South Sinai, Egypt. Int J Dermatol. 2012; 51(10): 1180-5. | Egypt | 2008-2009 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | El Salvador | 2003 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | El Salvador | 2001-2003 |
| Flohr C, Weiland SK, Weimayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Estonia | 2005-2007 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Estonia | 2001 |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |  |
|---|---|
| Vasar M, Julge K, Kivivare M, Otter K. Regional differences in diagnosing asthma and other allergic diseases in Estonian schoolchildren. Medicina (Kaunas). 2011; 47(12): 661-6. | Estonia 2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Estonia 1994, 2001 |
| Ali J, Yifru S, Woldeamanuel Y. Prevalence of tinea capitis and the causative agent among school children in Gondar, North West Ethiopia. Ethiop Med J. 2011; 47(4): 261-9. | Ethiopia 2007-2008 |
| Belyhun Y, Amberbir A, Medhin G, Erko B, Hanlon C, Venn A, Britton J, Davey G. Prevalence and risk factors of wheeze and eczema in 1-year-old children: the Butajira birth cohort, Ethiopia. Clin Exp Allergy. 2010; 40(4): 619-26. | Ethiopia 2006 |
| Murgia V, Bilcha KD, Shibeshi D. Community dermatology in Debre Markos: an attempt to define children's dermatological needs in a rural area of Ethiopia. Int J Dermatol. 2010; 49(6): 666-71. | Ethiopia 2009 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Ethiopia 2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Ethiopia 1995, 2003 |
| Woldeamanuel Y, Leekassa R, Chryssanthou E, Menghistu Y, Petrini B. Prevalence of tinea capitis in Ethiopian schoolchildren. Mycoses. 2005; 48(2): 137-41. | Ethiopia 2003-2005 |
| Foliaki S, Annesi-Measano I, Daniel R, Fakakovikaetau T, Magatonga M, Tuuau-Potoi N, Waqatakirewa L, Cheng S, 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; 62(3): 259-64. | Fiji 1998-2003 |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Fiji | 2002 |
|---|---|---|
| Hatakka K, Piirainen L, Pohjavuori S, Poussa T, Savilahti E, Korpela R. Allergy in day care children: prevalence and environmental risk factors. Acta Paediatr. 2009; 98(5): 817-22. | Finland | 1998 |
| Hugg T, Ruotsalainen R, Jaakkola MS, Pushkarev V, Jaakkola JJK. Comparison of allergic diseases, symptoms and respiratory infections between Finnish and Russian school children. Eur J Epidemiol. 2008; 23(2): 123-33. | Finland | 2003, 2005 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Finland | 2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Finland | 1994, 2001 |
| Annesi-Maesano I, Mourad C, Daures J-P, Kalaboka S, Godard P. Time trends in prevalence and severity of childhood asthma and allergies from 1995 to 2002 in France. Allergy. 2009; 64(5): 798-800. | France | 1994, 2002 |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björksten B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martínez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | France | 2005-2007 |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdananbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, | Gabon | 2005-2007 |
| Study | Countries | Year(s) |
|-------|-----------|---------|
| Hogewoning AA, Bouwes Bavinck JN, Amoah AS, Boakye DA, Yazdanbakhsh M, Kremsner PG, Adegnika AA, De Smedt SKAD, Willemze R, Lavrijsen APM. Point and period prevalences of eczema in rural and urban schoolchildren in Ghana, Gabon and Rwanda. J Eur Acad Dermatol Venereol. 2012; 26(4): 488-94. | Gabon | 2005 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Gabon | 2003 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bräbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Georgia | 2005-2007 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Georgia | 2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Georgia | 1996-2003 |
| Augustin M, Herberger K, Hintzen S, Heigel H, Franzke N, Schäfer I. Prevalence of skin lesions and need for treatment in a cohort of 90,880 workers. Br J Dermatol. 2011; 165(4): 865-73. | Germany | 2002-2009 |
| Cramer C, Link E, Bauer C-P, Hoffmann U, von Berg A, Lehmann I, Herbarth O, Borte M, Schaaf B, Sausenthaler S, Wichmann H-E, Heinrich J, Krämer U, LISAplus study group. Association between attendance of day care centres and increased prevalence of eczema in the German birth cohort study LISAplus. Allergy. 2011; 66(1): 68-75. | Germany | 1997-1999 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bräbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, | Germany | 2005-2007 |
| Reference | Title | Year(s) |
|-----------|--------|---------|
| Williams HC, ISAAC Phase Two Study Group. | The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | 2008-2009 |
| Frese T, Herrmann K, Sandholzer H. | Pruritus as Reason for Encounter in General Practice. J Clin Med Res. 2011; 3(5): 223-9. | Germany 1999-2000 |
| Langen U, Schmitz R, Steppuhn H. | [Prevalence of allergic diseases in Germany: results of the German Health Interview and Examination Survey for Adults (DEGS1)]. Bundesgesundheitsblatt. 2013; 56(5-6): 698-706. | Germany 2008-2011 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Germany 1999 |
| Romanos M, Gerlach M, Warnke A, Schmitt J. | Association of attention-deficit/hyperactivity disorder and atopic eczema modified by sleep disturbance in a large population-based sample. J Epidemiol Community Health. 2010; 64(3): 269-73. | Germany 2003-2006 |
| Schaefer I, Rustenbach SJ, Zimmer L, Augustin M. | Prevalence of skin diseases in a cohort of 48,665 employees in Germany. Dermatology (Basel). 2008; 217(2): 169-72. | Germany 2001-2005 |
| Schäfer T, Stieger B, Polzius R, Krauspe A. | Associations between cat keeping, allergen exposure, allergic sensitization and atopic diseases: results from the Children of Lübeck Allergy and Environment Study (KLAUS). Pediatr Allergy Immunol. 2009; 20(4): 353-7. | Germany 2003 |
| Ständer S, Schäfer I, Phan NQ, Blome C, Herberger K, Heigel H, Augustin M. | Prevalence of chronic pruritus in Germany: results of a cross-sectional study in a sample working population of 11,730. Dermatology (Basel). 2010; 221(3): 229-35. | Germany 2008 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. | Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Germany 1994, 1999 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bräbäck L, Brunekreef B, Büchele G, Clausen M, | | Ghana 2005-2007 |
| Reference                                                                 | Country     | Year(s)       |
|--------------------------------------------------------------------------|-------------|---------------|
| Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. |             |               |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | Ghana       | 2005-2007     |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegika A, De Smiedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | Ghana       | 2004, 2007    |
| Hogewoning AA, Bouwes Bavinck JN, Amoah AS, Boakye DA, Yazdanbakhsh M, Kremsner PG, Adegika AA, De Smiedt SKAD, Willemze R, Lavrijsen APM. Point and period prevalences of eczema in rural and urban schoolchildren in Ghana, Gabon and Rwanda. J Eur Acad Dermatol Venereol. 2012; 26(4): 488-94. | Ghana       | 2004, 2007    |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Greater London | 2002          |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Greater London | 1995, 2002    |
| Anthracopoulos MB, Antonogeorgos G, Liolios E, Triga M, Panagiotopoulou E, Priftis KN. Increase in chronic or recurrent rhinitis, rhinoconjunctivitis and eczema among schoolchildren in Greece: three surveys during 1991-2003. Pediatr Allergy Immunol. 2009; 20(2): 180-6. | Greece      | 1991, 1998, 2003 |
Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147.

Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53.

Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.

Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147.

Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53.
| Author(s) | Location | Year(s) |
|-----------|----------|---------|
| Li F, Zhou Y, Li S, Jiang F, Jin X, Yan C, Tian Y, Zhang Y, Tong S, Shen X. | Guangdong | 2005 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Guangdong | 2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. | Guangdong | 1994, 2001 |
| Zhao J, Bai J, Shen K, Xiang L, Huang S, Chen A, Huang Y, Wang J, Ye R. | Guangdong | 2008-2009 |
| Hay RJ, Castanon RE, Hernandez HA, Lopez GC, Fuentes LF, Solis SP, Andersson N. | Guerrero | 1993 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Guinea | 1997 |
| Li F, Zhou Y, Li S, Jiang F, Jin X, Yan C, Tian Y, Zhang Y, Tong S, Shen X. | Heilongjiang | 2005 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Honduras | 2002 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. | Honduras | 2001-2003 |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Reference | Title | Authors | Region | Year |
|-----------|-------|---------|--------|------|
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. | The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. | 2008; 121(1): 141-147. | Hong Kong Special Administrative Region of China | 2005-2007 |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. | How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. | 2009; 161(4): 846-53. | Hong Kong Special Administrative Region of China | 2005-2007 |
| Fung WK, Lo KK. | Prevalence of skin disease among school children and adolescents in a Student Health Service Center in Hong Kong. Pediatr Dermatol. | 2000; 17(6): 440-6. | Hong Kong Special Administrative Region of China | 1996-1997 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. | 2009; 124(6): 1251-1258. | Hong Kong Special Administrative Region of China | 2001, 2002 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. | Is eczema really on the increase worldwide. J Allergy Clin Immunol. | 2008; 121(4): 947-954. | Hong Kong Special Administrative Region of China | 1995, 2001-2002 |
| Li F, Zhou Y, Li S, Jiang F, Jin X, Yan C, Tian Y, Zhang Y, Tong S, Shen X. | Prevalence and risk factors of childhood allergic diseases in eight metropolitan cities in China: a multicenter study. BMC Public Health. | 2011; 437. | Hubei | 2005 |
| Kuhnyar A, Egyud K, Szabo I, Hunyadi J, Kosa L. | Prevalence of atopic dermatitis among children under 19 in an East-Hungarian agricultural county. Clin Dev Immunol. | 2006; 13(4-Feb): 395-9. | Hungary | 2004 |
| Study                                                                 | Location             | Year       |
|----------------------------------------------------------------------|----------------------|------------|
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Hungary              | 2003       |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Iceland              | 2005-2007  |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | Iceland              | 2005-2007  |
| Dogra S, Kumar B. Epidemiology of skin diseases in school children: a study from northern India. Pediatr Dermatol. 2003; 20(6): 470-3. | India                | 2001       |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | India                | 2005-2007  |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings | India                | 2005-2007  |
| Study                                                                 | Country | Year/s |
|----------------------------------------------------------------------|---------|--------|
| from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. |         |        |
| Grills N, Grills C, Spelman T, Stoove M, Hellard M, El-Hayek C, Singh R. Prevalence survey of dermatological conditions in mountainous north India. Int J Dermatol. 2012; 51(5): 579-87. | India   | 2010   |
| Grover S, Ranyal RK, Bedi MK. A cross section of skin diseases in rural Allahabad. Indian J Dermatol. 2008; 53(4): 179-81. | India   | 2005   |
| Kuruvila M, Dubey S, Gahalaut P. Pattern of skin diseases among migrant construction workers in Mangalore. Indian J Dermatol Venereol Leprol. 2006; 72(2): 129-32. | India   | 2005   |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | India   | 2001-2003 |
| Patel JK, Vyas AP, Berman B, Vierra M. Incidence of childhood dermatosis in India. Skinmed. 2010; 8(3): 136-42. | India   | 2000-2002 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. |         | 1994-1995, 2001-2003 |
| Lee J, Koh D, Andijani M, Saw SM, Munoz C, Chia SE, Wong ML, Hong CY, Ong CN. Effluents from a pulp and paper mill: a skin and health survey of children living in upstream and downstream villages. Occup Environ Med. 2002; 59(6): 373-9. | Indonesia | 1999 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Indonesia | 2001-2002 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Indonesia | 1996, 2002 |
| Li F, Zhou Y, Li S, Jiang F, Jin X, Yan C, Tian Y, Zhang Y, Tong S, Shen X. Prevalence and risk factors of childhood allergic diseases in eight metropolitan cities in China: a multicenter study. | Inner Mongolia | 2005 |
| BMC Public Health. 2011; 437. |  |
|---|---|
| Karimi M, Mirzaei M, Baghiani Moghadam B, Fotouhi E, Zare Mehrjardi A. Pet exposure and the symptoms of asthma, allergic rhinitis and eczema in 6-7 years old children. Iran J Allergy Asthma Immunol. 2011; 10(2): 123-7. | Iran 2009 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Iran 1996, 2001-2002 |
| Rad MHR, Hamzezadeh A. Allergic disease in 6-7-year-old schoolchildren in Urmia, Islamic Republic of Iran. East Mediterr Health J. 2008; 14(5): 1044-53. | Iran 2002-2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Iran 1995, 2001-2002 |
| Al-Rubiay KK, Al-Rubaizy LK. Dermatoepidemiology: A Household Survey Among Two Urban Areas In Basrah City, Iraq. Internet J Dermatol. 2006; 4(2): 10. | Iraq 2005 |
| Duggan EM, Sturley J, Fitzgerald AP, Perry IJ, Hourihane JO. The 2002-2007 trends of prevalence of asthma, allergic rhinitis and eczema in Irish schoolchildren. Pediatr Allergy Immunol. 2012; 23(5): 464-71. | Ireland 2002, 2007 |
| Kabir Z, Manning PJ, Holohan J, Goodman PG, Clancy L. Prevalence of symptoms of severe asthma and allergies in Irish school children: an ISAAC protocol study, 1995-2007. Int J Environ Res Public Health. 2011; 8(8): 3192-201. | Ireland 2007 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Ireland 2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Ireland 1995, 2003 |
| Graif Y, Romano-Zelekha O, Livne I, Green MS, Shohat T. Increased rate and greater severity of | Israel 2003 |
allergic reactions to insect sting among schoolchildren with atopic diseases. Pediatr Allergy Immunol. 2009; 20(8): 757-62.

| Brescianini S, Brunetto B, Iacovacci P, D'Ippolito C, Alberti G, Schirru MA, Stazi MA, Pini C, Di Felice G, Barletta B. Prevalence of self-perceived allergic diseases and risk factors in Italian adolescents. Pediatr Allergy Immunol. 2009; 20(6): 578-84. | Italy | 2003-2004 |
|---|---|---|
| Cibella F, Cuttitta G, La Grutta S, Melis MR, Lospalluti ML, Uasuf CG, Bucchieri S, Viegi G. Proportional Venn diagram and determinants of allergic respiratory diseases in Italian adolescents. Pediatr Allergy Immunol. 2011; 22(1 Pt 1): 60-8. | Italy | 2005-2006 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunkeerf B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Italy | 2005-2007 |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | Italy | 2005-2007 |
| Marcon A, Cazzoletti L, Rava M, Gisondi P, Pironi V, Ricci P, de Marco R. Incidence of respiratory and allergic symptoms in Italian and immigrant children. Respir Med. 2011; 105(2): 204-10. | Italy | 2006 |
| Naldi L, Colombo P, Placchesi EB, Piccito R, Chatenoud L, La Vecchia C. Study design and preliminary results from the pilot phase of the PraKtis study: self-reported diagnoses of selected skin diseases in a representative sample of the Italian population. Dermatology (Basel). 2004; 208(1): 38-42. | Italy | 2003 |
| Odhiambo JA, Williams HC, Clayton TO, | Italy | 2002 |
| Reference                                                                 | Country        | Years          |
|--------------------------------------------------------------------------|----------------|----------------|
| Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |                |                |
| Peroni DG, Piacentini GL, Bodini A, Rigotti E, Pigozzi R, Boner AL. Prevalence and risk factors for atopic dermatitis in preschool children. Br J Dermatol. 2008; 158(3): 539-43. | Italy          | 2005-2007      |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Italy          | 1994-1995, 2002 |
| Kurosaka F, Terada T, Tanaka A, Nakatani Y, Yamada K, Nishikawa J, Oka K, Takahashi H, Mogami A, Yamada T, Nakano T, Shima M, Nishio H. Risk factors for wheezing, eczema and rhinoconjunctivitis in the previous 12 months among six-year-old children in Himeji City, Japan: food allergy, older siblings, day-care attendance and parental allergy history. Allergol Int. 2011; 60(3): 317-30. | Japan          | 2005-2006      |
| Ohfuji S, Miyake Y, Arakawa M, Tanaka K, Sasaki S. Sibship size and prevalence of allergic disorders in Japan: the Ryukyu Child Health Study. Pediatr Allergy Immunol. 2009; 20(4): 377-84. | Japan          | 2004-2005      |
| Saeki H, Oiso N, Honma M, Odajima H, Iizuka H, Kawada A, Tamaki K. Comparison of prevalence of atopic dermatitis in Japanese elementary schoolchildren between 2001/2002 and 2007/2008. J Dermatol. 2009; 36(9): 512-4. | Japan          | 2001-2002, 2007-2008 |
| Tanaka K, Miyake Y, Arakawa M, Sasai S, Ohya Y. Dental caries and allergic disorders in Japanese children: the Ryukyu Child Health Study. J Asthma. 2008; 45(9): 795-9. | Japan          | 2004-2005      |
| Tanaka K, Miyake Y. Association between prenatal and postnatal tobacco smoke exposure and allergies in young children. J Asthma. 2011; 48(5): 458-63. | Japan          | 2006-2007      |
| Ohdihambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Jordan         | 2001           |
| Ohdihambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three | Kazakhstan     | 2002-2003      |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Schmeller MD W. Community health workers reduce skin diseases in East African children. Int J Dermatol. 1998; 37(5): 370-7. |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| Kenya 2001 |
| Kenya 1993, 1995 |
| Kenya 1995, 2001 |
| Kuwait 2001 |
| Kuwait 2001-2002 |
| Kuwait 1995, 2001 |
| Latvia 2005-2007 |
| Latvia 2005-2007 |

© 2017 Karimkhani C et al. JAMA Dermatology.
questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53.

Odhamio JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.

Latvia 2004

Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.

Latvia 1994, 2004

Al-Sahab B, Atoui M, Musharrafieh U, Zaitoun F, Ramadan F, Tamim H. Epidemiology of eczema among Lebanese adolescents. Int J Public Health. 2008; 53(5): 260-7.

Lebanon 2005

Musharrafieh U, Al-Sahab B, Zaitoun F, El-Hajj MA, Ramadan F, Tamim H. Prevalence of asthma, allergic rhinitis and eczema among Lebanese adolescents. J Asthma. 2009; 46(4): 382-7.

Lebanon 2005

Waked M, Salameh P. Asthma, allergic rhinitis and eczema in 5-12-year-old school children across Lebanon. Public Health. 2008; 122(9): 965-73.

Lebanon 2005

Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.

Lithuania 1997, 2001-2002

Vlaski E, Stavric K, Seckova L, Kimovska M, Isjanovska R. Do household tobacco smoking habits influence asthma, rhinitis and eczema among 13-14 year-old adolescents?. Allergol Immunopathol

Macedonia 2001-2002

© 2017 Karimkhani C et al. JAMA Dermatology.
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Malaysia | 2001-2002 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Malaysia | 1995, 2001-2002 |
| Mahé A, Prual A, Konaté M, Bobin P. Skin diseases of children in Mali: a public health problem. Trans R Soc Trop Med Hyg. 1995; 89(5): 467-70. | Mali | 1993-1994 |
| Montefort S, Ellul P, Montefort M, Caruana S, Agius Muscat H. A decrease in the prevalence and improved control of allergic conditions in 13- to 15-y-old Maltese children (ISAAC). Pediatr Allergy Immunol. 2011; 22(1 Pt 2): e107-111. | Malta | 1995, 2002 |
| Montefort S, Ellul P, Montefort M, Caruana S, Agius Muscat H. Increasing prevalence of asthma, allergic rhinitis but not eczema in 5- to 8-y-old Maltese children (ISAAC). Pediatr Allergy Immunol. 2009; 20(1): 67-71. | Malta | 1994, 2001 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Malta | 2001-2002 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Malta | 1994-1995, 2001-2002 |
| Becerril Angeles M, Vázquez Merino CL, Angeles Garay U, Alvarado Moctezuma LE, Vilchis Guízar E. Prevalence of allergic diseases in the elderly. Rev Alerg Mex. 2008; 55(5): 85-91. | Mexico | 2006-2008 |
| Estrada Castañón R, Torres Bibiano B, Alarcón Hernández H, Villegas Arrizón A, Martínez Sandoval E, Chávez López G, Andersson N. Epidemiología cutánea en dos sectores de atención médica en Guerrero, México; Cutaneous epidemiology in two sectors of Guerrero, Mexico. Dermatol rev mex. 1992; 36(1): 29-34. | Mexico | 1989-1991 |
| Williams H, Stewart A, Von Mutius E, Cookson W, | Mexico | 1994, |
| Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | 2002 |
|----------------------------------|------|
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Mexico 2002 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Mexico 2001-2003 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Morelos 2002 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Morelos 2001-2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Morelos 1994, 2002 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Morocco 1991, 2001-2002 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Morocco 1995, 2001-2002 |
| Mavale-Manuel S, Joaquim O, Macome C, Almeida L, Nunes E, Daniel A, Malichocho J, Pedro A, Bandeira S, Eduardo E, Maciel L, Constance E, Marques S, Tembe A, de Blic J, Annesi-Maesano I. Asthma and allergies in schoolchildren of Maputo. | Mozambique 2004 |
| Year       | Study Details                                                                                                                                                                                                                     |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2002-2006  | Lebon A, Labou JAM, Verbrugh HA, Jaddoe VWV, Hofman A, van Wamel WJB, van Belkum A, Moll HA. Role of Staphylococcus aureus nasal colonization in atopic dermatitis in infants: the Generation R Study. Arch Pediatr Adolesc Med. 2009; 163(8): 745-9. |
| 2005-2007  | Flohr C, Weinmayr G, Weinmayr G, Björksten B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. |
|            | Flohr C, Weinmayr G, Weinmayr G, Annesi-Maesano I, Björksten B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wongs WGV, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. |
| 2003       | Smit HA, Burdorf A, Coenraads PJ. Prevalence of hand dermatitis in different occupations. Int J Epidemiol. 1993; 22(2): 288-93.                                                                                                       |
| 2005-2007  | Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |
| 1992       | Visser CAN, Garcia-Marcos L, Eggink J, Brand                                                                                                                                                                                   |
| 2005-2006  | Nepal 2005-2006                                                                                                                                                                                                                 |
| Nepal 2005-2006 | Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. Skin disease is common in rural Nepal: results of a point prevalence study. Br J Dermatol. 2008; 158(2): 334-8.                                                                  |
| Netherlands 2005-2007 | Flohr C, Weiland SK, Weinmayr G, Björksten B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. |
| Netherlands 2005-2007 | Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björksten B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wongs WGV, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. |
| Netherlands 2005-2007 | Gabriele C, Silva LM, Arends LR, Raat H, Moll HA, Hofman A, Jaddoe VWV, de Jongste JC. Early respiratory morbidity in a multicultural birth cohort: the Generation R Study. Eur J Epidemiol. 2012; 27(6): 453-62. |
| Netherlands 2005-2007 | Smit HA, Burdorf A, Coenraads PJ. Prevalence of hand dermatitis in different occupations. Int J Epidemiol. 1993; 22(2): 288-93.                                                                                                       |
| Netherlands 2005-2007 | Visser CAN, Garcia-Marcos L, Eggink J, Brand                                                                                                                                                                                   |
| Reference                                                                 | Location | Year       |
|--------------------------------------------------------------------------|----------|------------|
| PLP. Prevalence and risk factors of wheeze in Dutch infants in their first year of life. Pediatr Pulmonol. 2010; 45(2): 149-56. |          | 2007       |
| Flohr C, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | New Zealand | 2005-2007  |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | New Zealand | 2005-2007  |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | New Zealand | 2001-2003  |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | New Zealand | 1993, 2001-2003 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Nicaragua | 2002       |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Nicaragua | 2001-2003  |
| Falade AG, Ige OM, Yusuf BO, Onadeko MO,                                     | Nigeria  | 1995       |
| Reference | Countries | Years | Description |
|-----------|-----------|-------|-------------|
| Onadeko BO. Trends in the prevalence and severity of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema. J Natl Med Assoc. 2009; 101(5): 414-8. | Nigeria | 2001-2002 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Nigeria | 2001-2002 |
| Ogunbiyi AO, Omigbodun Y, Owoaje E. Prevalence of skin disorders in school children in southwest Nigeria. Int J Adolesc Med Health. 2009; 21(2): 235-41. | Nigeria | 2006-2008 |
| Okafor OO, Akinbami FO, Orimadegun AE, Okafor CM, Ogunbiyi AO. Prevalence of dermatological lesions in hospitalized children at the University College Hospital, Ibadan, Nigeria. Niger J Clin Pract. 2011; 14(3): 287-92. | Nigeria | 2006-2007 |
| Onayemi O, Isezuo SA, Njoku CH. Prevalence of different skin conditions in an outpatients' setting in north-western Nigeria. Int J Dermatol. 2005; 44(1): 11-Jul. | Nigeria | 1999-2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Nigeria | 1995, 2001-2002 |
| Yahya H. Change in pattern of skin disease in Kaduna, north-central Nigeria. Int J Dermatol. 2007; 46(9): 936-43. | Nigeria | 2000-2005 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | North East England | 2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | North East England | 1995-1996, 2001 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bräbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma | Norway | 2005-2007 |
| Title                                                                 | Country & Period               |
|----------------------------------------------------------------------|--------------------------------|
| How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | Norway 2005-2007               |
| Comparison of self-reported skin complaints with objective skin signs among adolescents. Acta Derm Venereol. 2008; 88(6): 573-7. | Norway 2006                    |
| Increasing prevalence of asthma, allergic rhinoconjunctivitis and eczema among schoolchildren: three surveys during the period 1985-2008. Acta Paediatr. 2013; 102(1): 47-52. | Norway 1995-2008               |
| The association between mental health problems and inflammatory conditions across gender and immigrant status: a population-based cross-sectional study among 10th-grade students. Scand J Public Health. 2008; 36(4): 353-60. | Norway 1999-2001               |
| Atopic dermatitis among 2-year olds; high prevalence, but predominantly mild disease--the PACT study, Norway. Pediatr Dermatol. 2008; 25(1): 13-8. | Norway 2003-2005               |
| Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Nuevo Leon 2001                |
| Prevalence of symptoms of childhood asthma, allergic rhinoconjunctivitis and eczema in the Pacific: the International Study of Asthma and Allergies in | Oceania 1998-2003              |
| Study                                      | Country     | Year       |
|-------------------------------------------|-------------|------------|
| Odhiambo JA, Williams HC, Clayton TO,     | Oman        | 2001       |
| Robertson CF, Asher MI, ISAAC Phase Three|             |            |
| Study Group. Global variations in prevalence of |         |            |
| eczema symptoms in children from ISAAC    |             |            |
| Phase Three. J Allergy Clin Immunol. 2009;|             |            |
| 124(6): 1251-1258.                        |             |            |
| Williams H, Stewart A, Von Mutius E, Cook| Oman        | 1995, 2001 |
| son W, Anderson HR. Is eczema really on   |             |            |
| the increase worldwide. J Allergy Clin    |             |            |
| Immunol. 2008; 121(4): 947-954.           |             |            |
| Hasnain SM, Khan M, Saleem A, Waqar MA.   | Pakistan    | 2007       |
| Prevalence of asthma and allergic rhinitis|             |            |
| among school children of Karachi, Pakistan|             |            |
| J Asthma. 2009; 46(1): 86-90.             |             |            |
| Odhiambo JA, Williams HC, Clayton TO,     | Pakistan    | 2001-2002  |
| Robertson CF, Asher MI, ISAAC Phase Three|             |            |
| Study Group. Global variations in prevalence of |         |            |
| eczema symptoms in children from ISAAC    |             |            |
| Phase Three. J Allergy Clin Immunol. 2009;|             |            |
| 124(6): 1251-1258.                        |             |            |
| Williams H, Stewart A, Von Mutius E, Cook| Pakistan    | 1995, 2001 |
| son W, Anderson HR. Is eczema really on   |             |            |
| the increase worldwide. J Allergy Clin    |             |            |
| Immunol. 2008; 121(4): 947-954.           |             |            |
| Flohr C, Weiland SK, Weinmayr G, Björkstén| Palestine   | 2005-2007  |
| B, Bråbäck L, Brunekreef B, Büchele G,    |             |            |
| Clausen M, Cookson WOC, von Mutius E,     |             |            |
| Strachan DP, Williams HC, ISAAC Phase Two|             |            |
| Study Group. The role of atopic sensitiza|             |            |
| tion in flexural eczema: findings from the|             |            |
| International Study of Asthma and Allergies|         |            |
| and Childhood Phase Two. J Allergy Clin   |             |            |
| Immunol. 2008; 121(1): 141-147.           |             |            |
| Odhiambo JA, Williams HC, Clayton TO,     | Palestine   | 2000       |
| Robertson CF, Asher MI, ISAAC Phase Three|             |            |
| Study Group. Global variations in prevalence of |         |            |
| eczema symptoms in children from ISAAC    |             |            |
| Phase Three. J Allergy Clin Immunol. 2009;|             |            |
| 124(6): 1251-1258.                        |             |            |
| Odhiambo JA, Williams HC, Clayton TO,     | Panama      | 2001       |
| Robertson CF, Asher MI, ISAAC Phase Three|             |            |
| Study Group. Global variations in prevalence of |         |            |
| eczema symptoms in children from ISAAC    |             |            |
| Phase Three. J Allergy Clin Immunol. 2009;|             |            |
| 124(6): 1251-1258.                        |             |            |
| Solé D, Mallol J, Wandalsen GF, Aguirre  V,| Panama      | 2001-      |
| Latin                                                                 |            |            |
| Study Subjects | Publication Details |
|---------------|-------------------|
| American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | 2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Panama 1995, 2001 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Paraguay 2002 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Paraguay 2001-2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Paraguay 1997, 2002 |
| Gutierrez EL, Galarza C, Ramos W. Prevalencia de Enfermedades Dermatológicas en una comunidad rural de Ucayali, Perú. Dermatol Peru. 2009; 19(2): 104-13. | Peru 2005 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Peru 2001 |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Peru 2001-2003 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Peru 1995, 2001 |
| Odhiambo JA, Williams HC, Clayton TO, | Philippines 2001 |
| Study | Authors | Prevalence Details | Country | Year Details |
|-------|---------|--------------------|---------|--------------|
| Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Philippines | 1994, 2001 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Poland | 2001-2002 |
| Massa A, Alves R, Amado J, Matos E, Sanches M, Selores M, Santos C, Costa V, Velho G, Oliveira M, Ferreira E, Taveira M, Silva NS, Granado E, Lemos A, Calheiros JM. Prevalence of cutaneous lesions in Freixo de Espada à Cinta. Acta Med Port. 2000; 13(5-6): 247-54. | Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Portugal | 1994 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Portugal | 2001-2002 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Portugal | 1993-1995, 2001-2002 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Popescu R, Popescu CM, Williams HC, Forsea D. The prevalence of skin conditions in Romanian school children. Br J Dermatol. 1999; 140(5): 891-6. | Romania | 2001 |
| Popescu R, Popescu CM, Williams HC, Forsea D. The prevalence of skin conditions in Romanian school children. Br J Dermatol. 1999; 140(5): 891-6. | Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Romania | 1995 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | | Romania | 1994, |
| Study Source | Year | Country | Study Details |
|--------------|------|---------|---------------|
| Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | 2001 |  | |
| Hugg T, Ruotsalainen R, Jaakkola MS, Pushkarev V, Jaakkola JJK. Comparison of allergic diseases, symptoms and respiratory infections between Finnish and Russian school children. Eur J Epidemiol. 2008; 23(2): 123-33. | Russia | 1996, 2003, 2005 |  |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Russia | 2002 |  |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Russia | 1996, 2002, 2005 |  |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600/ | Rwanda | 2007 |  |
| Hogewoning AA, Bouwes Bavinck JN, Amoah AS, Boakye DA, Yazdanbakhsh M, Kremsner PG, Adegnika AA, De Smedt SKAD, Willemze R, Lavrijsen APM. Point and period prevalences of eczema in rural and urban schoolchildren in Ghana, Gabon and Rwanda. J Eur Acad Dermatol Venereol. 2012; 26(4): 488-94. | Rwanda | 2007 |  |
| Foliaki S, Annesi-Measano I, Daniel R, Fakakovikaelau T, Magatonga M, Tuuau-Potoi N, Waqatakirewa L, Cheng S, 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; 62(3): 259-64. | Samoa | 1998-2003 |  |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Samoa | 2003 |  |
| Al-Saeed WY, Al-Dawood KM, Bukhari IA, Bahnassy AA. Prevalence and pattern of skin disorders among female schoolchildren in Eastern Saudi Arabia | Saudi Arabia | 2003 |  |
| Author(s) | Year and Location | Summary |
|-----------|------------------|---------|
| Al-Shammari SA, Al-Sheikh O. | 1993-1994, Saudi Arabia | Skin morbidity pattern among patients seen at a university primary care clinic in Riyadh, Saudi Arabia. *Gulf J Dermatol Venerool*. 1996; 3: 22-5. |
| Bahamdan K, Mahfouz AA, Tallab T, Badawi IA, al-Amari OM. | 1995-1996, Saudi Arabia | Skin diseases among adolescent boys in Abha, Saudi Arabia. *Int J Dermatol*. 1996; 35(6): 405-7. |
| Nahhas M, Bhopal R, Anandan C, Elton R, Sheikh A. | 2009, Saudi Arabia | Prevalence of allergic disorders among primary school-aged children in Madinah, Saudi Arabia: two-stage cross-sectional survey. *PLoS One*. 2012; 7(5): e36848. |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | 2002, Scotland | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. *J Allergy Clin Immunol*. 2009; 124(6): 1251-1258. |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. | 1995, 2002, Scotland | Is eczema really on the increase worldwide. *J Allergy Clin Immunol*. 2008; 121(4): 947-954. |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | 2001-2003, Serbia | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. *J Allergy Clin Immunol*. 2009; 124(6): 1251-1258. |
| Li F, Zhou Y, Li S, Jiang F, Jin X, Yan C, Tian Y, Zhang Y, Tong S, Shen X. | 2005, Shaanxi | Prevalence and risk factors of childhood allergic diseases in eight metropolitan cities in China: a multicenter study. *BMC Public Health*. 2011; 437. |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | 2001, Singapore | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. *J Allergy Clin Immunol*. 2009; 124(6): 1251-1258. |
| Tay Y-K, Kong K-H, Khoo L, Goh C-L, Giam Y-C. | 1999, Singapore | The prevalence and descriptive epidemiology of atopic dermatitis in Singapore school children. *Br J Dermatol*. 2002; 146(1): 101-6. |
| Wang XS, Shek LP, Ma S, Soh SE, Lee BW, Goh | 1994, Singapore | |
DYT. Time trends of co-existing atopic conditions in Singapore school children: prevalence and related factors. Pediatr Allergy Immunol. 2010; 21(1 Pt 2): e137-141.

Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954.

Chalmers DA, Todd G, Saxe N, Milne JT, Tolosana S, Ngeelwane PN, Hlaba BN, Mngomeni LN, Nonxuba TG, Williams HC. Validation of the U.K. Working Party diagnostic criteria for atopic eczema in a Xhosa-speaking African population. Br J Dermatol. 2007; 156(1): 111-6.

Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.

Wichmann J, Wolvaardt JE, Maritz C, Voyi KVV. Association between children's household living conditions and eczema in the Polokwane area, South Africa. Health Place. 2008; 14(2): 323-35.

Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954.

Zar HJ, Ehrlich RI, Workman L, Weinberg EG. The changing prevalence of asthma, allergic rhinitis and atopic eczema in African adolescents from 1995 to 2002. Pediatr Allergy Immunol. 2007; 18(7): 560-5.

Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.

Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954.

Choi WJ, Ko JY, Kim JW, Lee KH, Park CW, Kim KH, Kim MN, Lee AY, Cho SH, Park YL, Choi JH, Seo SJJ, Lee YW, Roh JY, Park YM, Kim DJ, Ro YS. Prevalence and risk factors for atopic
| Reference                                                                 | Country     | Year(s)  |
|--------------------------------------------------------------------------|-------------|----------|
| Lee J-Y, Seo J-H, Kwon J-W, Yu J, Kim B-J, Lee S-Y, Kim H-B, Kim W-K, Kim K-W, Shin Y-J, Hong S-J. Exposure to gene-environment interactions before 1 year of age may favor the development of atopic dermatitis. Int Arch Allergy Immunol. 2012; 157(4): 363-71. | South Korea | 2008     |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | South Korea | 2000     |
| Suh M, Kim H-H, Sohn MH, Kim K-E, Kim C, Shin DC. Prevalence of allergic diseases among Korean school-age children: a nationwide cross-sectional questionnaire study. J Korean Med Sci. 2011; 26(3): 332-8. | South Korea | 2006     |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | South Korea | 1995, 2000 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | South West England | 2005-2007 |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | South West England | 2005-2007 |
| Ziyab AH, Raza A, Karmaus W, Tongue N, Zhang H, Matthews S, Arshad SH, Roberts G. Trends in | South West England | 1989-1990, |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Reference                                                                                                                                                                                                 | Year       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| eczema in the first 18 years of life: results from the Isle of Wight 1989 birth cohort study. Clin Exp Allergy. 2010; 40(12): 1776-84.                                                                      | 1993, 2007 |
| Arnedo-Pena A, Puig-Barberà J, Bellido-Blasco J-B, Pac-Sa MR, Campos-Cruañes J-B, Artero-Sivera A, Museros-Recatalá L. Risk factors and prevalence of asthma in schoolchildren in Castellon (Spain): a cross-sectional study. Allergol Immunopathol (Madr). 2009; 37(3): 135-42. | Spain 2002 |
| Batllés-Garrido J, Torres-Borrego J, Rubí-Ruiz T, Bonillo-Perales A, González-Jiménez Y, Momblán De Cabo J, Aguirre-Rodríguez J, Losillas-Maldonado A, Torres-Daza M. Prevalence and factors linked to atopy in 10-and 11-year-old children in Almeria, Spain. Allergol Immunopathol (Madr). 2010; 38(1): 13-9. | Spain 2007-2009 |
| Flohr C, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Spain 2005-2007 |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | Spain 2005-2007 |
| Font-Ribera L, Kogevinas M, Zock J-P, Nieuwenhuijsen MJ, Heederik D, Villanueva CM. Swimming pool attendance and risk of asthma and allergic symptoms in children. Eur Respir J. 2009; 34(6): 1304-10. | Spain 2006 |
| Garcia-Marcos L, González-Díaz C, Garvajal-Urueña I, Pac-Sa MR, Busquets-Monge RM, Suárez-Varela MM, Batllés-Garrido J, Blanco-Quirós A, Varela AL-S, García-Hernández G, Aguinaga-Ontoso I. Early exposure to paracetamol | Spain 2007-2009 |
| Title                                                                 | Authors                                                                 | Country | Years                          |
|----------------------------------------------------------------------|-------------------------------------------------------------------------|---------|--------------------------------|
| or to antibiotics and eczema at school age: modification by asthma   | Morales Suárez-Varela M, García-Marcos L, Kogan MD, Llopis González A, Aguinaga Ontoso I, González Díaz C, Arnedo Peña A, Domínguez Aurrecoechea B, Busquets Monge RM, Blanco Quirós A, Battles Garrido J, Miner Canflanca I, López-Silverray Varela A, Gimeno Clemente N. | Spain   | 2005-2007                      |
| and rhinoconjunctivitis. Pediatr Allergy Immunol. 2010; 21(7): 1036-42. |                                                                         |         |                                |
| Morales Suárez-Varela M, García-Marcos L, Kogan MD, Llopis González A, Aguinaga Ontoso I, González Díaz C, Arnedo Peña A, Domínguez Aurrecoechea B, Busquets Monge RM, Blanco Quirós A, Battles Garrido J, Miner Canflanca I, López-Silverray Varela A, Gimeno Clemente N. Parents' smoking habit and prevalence of atopic eczema in 6-7 and 13-14 year-old schoolchildren in Spain. ISAAC phase III. Allergol Immunopathol (Madr). 2008; 36(6): 336-42. | Spain   | 1996, 2001-2003                |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. |                                                                         |         |                                |
| Suárez-Varela MM, Alvarez LG-M, Kogan MD, Ferreira JC, Martínez Gimeno A, Aguinaga Ontoso I, González Díaz C, Arnedo Pena A, Domínguez Aurrecoechea B, Busquets Monge RM, Blanco Quiros A, Battles Garrido J, García de Andoain N, Varela AL-S, García Merino A, Gimeno Clemente N, Llopis González A. Diet and prevalence of atopic eczema in 6 to 7-year-old schoolchildren in Spain: ISAAC phase III. J Investig Allergol Clin Immunol. 2010; 20(6): 469-75. | Spain   | 2006-2008                      |
| Suárez-Varela MM, García-Marcos Alvarez L, Kogan MD, González AL, Gimeno AM, Aguinaga Ontoso I, Díaz CG, Pena AA, Aurrecoechea BD, Monge RMB, Quiros AB, Garrido JB, Canflanca IM, Varela AL-S. Climate and prevalence of atopic eczema in 6- to 7-year-old school children in Spain. ISAAC phase III. Int J Biometeorol. 2008; 52(8): 833-40. |                                                                         |         | 2007                            |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. |                                                                         | Spain   | 1993-1994, 1997, 2001-2002      |
| Amarasekera NDDM, Gunawardena NK, de Silva NR, Weerasinghe A. Prevalence of childhood atopic diseases in the Western Province of Sri Lanka. Ceylon Med J. 2010; 55(1): 5-8. |                                                                         | Sri Lanka| 2006                            |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Author(s) | Title | Year | Location |
|----------|--------|------|----------|
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Sri Lanka | 2001 |
| Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunaratne LDA. | Prevalence of skin diseases in suburban Sri Lanka. Ceylon Med J. 2000; 45(3): 123-8. | Sri Lanka | 1997 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Sudan | 2003 |
| Ballardini N, Kull I, Söderhåll C, Lilja G, Wickman M, Wahlgren CF. | Eczema severity in preadolescent children and its relation to sex, filaggrin mutations, asthma, rhinitis, aggravating factors and topical treatment: a report from the BAMSE birth cohort. Br J Dermatol. 2013; 168(3): 588-94. | Sweden | 2008 |
| Bjerg A, Sandström T, Lundbäck B, Rönmark E. | Time trends in asthma and wheeze in Swedish children 1996-2006: prevalence and risk factors by sex. Allergy. 2010; 65(1): 48-55. | Sweden | 1996, 2006 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. | The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Sweden | 2005-2007 |
| Lindberg M, Isacson D, Bingeörs K. | Self-reported skin diseases, quality of life and medication use: a nationwide pharmaco-epidemiological survey in Sweden. Acta Derm Venereol. 2014; 94(2): 188-91. | Sweden | 2004-2005 |
| Meding B, Järvholm B. | Hand eczema in Swedish adults - changes in prevalence between 1983 and 1996. J Invest Dermatol. 2002; 118(4): 719-23. | Sweden | 1996 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Sweden | 2002 |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Reference                                                                 | Location | Year Details |
|---------------------------------------------------------------------------|----------|--------------|
| Rönmark EP, Ekerljung L, Lo?tvall J, Wennergren G, Ro?nmark E, Toren K, Lundba?ck B. Eczema among adults: prevalence, risk factors and relation to airway diseases. Results from a large-scale population survey in Sweden. Br J Dermatol. 2012; 166(6): 1301-08. | Sweden   | 2008         |
| Rönmark E, Bjerg A, Perzanowski M, Platts-Mills T, Lundbäck B. Major increase in allergic sensitization in schoolchildren from 1996 to 2006 in northern Sweden. J Allergy Clin Immunol. 2009; 124(2): 357-363. | Sweden   | 1996, 2006   |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Sweden   | 1994, 2002   |
| Mohammad Y, Tabbah K, Mohammad S, Yassine F, Clayton T, Hassan M. International study of asthma and allergies in childhood: phase 3 in the Syrian Arab Republic. East Mediterr Health J. 2010; 16(7): 710-6. | Syria    | 2001-2003    |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI. ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Syria    | 2001-2003    |
| Solé D, Mallol J, Wandalsen GF, Aguirre V. Latin American ISAAC Phase 3 Study Group. Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Invest Ig Allergol Clin Immunol. 2010; 20(4): 311-23. | Tabasco  | 2001-2003    |
| Hsu N-Y, Wu P-C, Bornehag C-G, Sundell J, Su H-J. Feeding bottles usage and the prevalence of childhood allergy and asthma. Clin Dev Immunol. 2012; 1-8. | Taiwan   | 2005-2006    |
| Liao M-F, Liao M-N, Lin S-N, Chen J-Y, Huang J-L. Prevalence of allergic diseases of schoolchildren in central Taiwan. From ISAAC surveys 5 years apart. J Asthma. 2009; 46(6): 541-5. | Taiwan   | 2002, 2007   |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI. ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Taiwan   | 2001-2002    |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| 1258. |
|---|
| **Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR.** Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Taiwan | 1994, 2001-2002 |
| **Wu WF, Wan KS, Wang SJ, Yang W, Liu WL.** Prevalence, severity, and time trends of allergic conditions in 6-to-7-year-old schoolchildren in Taipei. J Investig Allergol Clin Immunol. 2011; 21(7): 556-62. | Taiwan | 2007 |
| **Yang Y-C, Cheng Y-W, Lai C-S, Chen W.** Prevalence of childhood acne, ephelides, warts, atopic dermatitis, psoriasis, alopecia areata and keloid in Kaohsiung County, Taiwan: a community-based clinical survey. J Eur Acad Dermatol Venereol. 2007; 21(5): 643-9. | Taiwan | 2004 |
| **Yao T-C, Ou L-S, Yeh K-W, Lee W-I, Chen L-C, Huang J-L, PATCH Study Group.** Associations of age, gender, and BMI with prevalence of allergic diseases in children: PATCH study. J Asthma. 2011; 48(5): 503-10. | Taiwan | 2007 |
| **Yeh K-W, Ou L-S, Yao T-C, Chen L-C, Lee W-I, Huang J-L, PATCH Study Group.** Prevalence and risk factors for early presentation of asthma among preschool children in Taiwan. Asian Pac J Allergy Immunol. 2011; 29(2): 120-6. | Taiwan | 2007-2008 |
| **Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group.** Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Tamaulipas | 2003 |
| **Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group.** Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Tamaulipas | 2001-2003 |
| **Henderson CA.** Skin disease in rural Tanzania. Int J Dermatol. 1996; 35(9): 640-2. | Tanzania | 1991 |
| **Komba EV, Mgonda YM.** The spectrum of dermatological disorders among primary school children in Dar es Salaam. BMC Public Health. 2010; 10(1): 765. | Tanzania | 2007-2010 |
| **Mgonda YM, Chale PNF.** The burden of co-existing dermatological disorders and their tendency of | Tanzania | 2009-2010 |
| Study                                                                 | Country   | Year(s)  |
|----------------------------------------------------------------------|-----------|----------|
| being overlooked among patients admitted to Muhimbili National Hospital in Dar es Salaam, Tanzania. BMC Dermatol. 2011; 11: 8. |           |          |
| Satimia FT, McBride SR, Leppard B. Prevalence of skin disease in rural Tanzania and factors influencing the choice of health care, modern or traditional. Arch Dermatol. 1998; 134(11): 1363-6. | Tanzania  | 1995     |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Thailand  | 1995-1996, 1999, 2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Thailand  | 1995, 2001 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Tibet     | 2001     |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Togo      | 2001     |
| Foliaki S, Annesi-Measano I, Daniel R, Fakakovikaetau T, Magatonga M, Tuuau-Potoi N, Waqatakirewa L, Cheng S, 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; 62(3): 259-64. | Tonga     | 1998-2003 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Tonga     | 2002     |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase | Trinidad and Tobago | 2002 |
| Reference | Country | Year(s) |
|-----------|---------|---------|
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Tunisia | 2001 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | Tunisia | 1996, 2001-2002 |
| Civelek E, Cakir B, Boz AB, Yuksel H, Orhan F, Uner A, Sekerel BE. Extent and burden of allergic diseases in elementary schoolchildren: a national multicenter study. J Investig Allergol Clin Immunol. 2010; 20(4): 280-8. | Turkey | 2005-2006 |
| Demir AU, Celikel S, Karakaya G, Kalyoncu AF. Asthma and allergic diseases in school children from 1992 to 2007 with incidence data. J Asthma. 2010; 47(10): 1128-35. | Turkey | 1992, 1997, 2002, 2007 |
| Flohr C, Weiland SK, Weinmayr G, Björkstén B, Bråbäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. J Allergy Clin Immunol. 2008; 121(1): 141-147. | Turkey | 2005-2007 |
| Flohr C, Weinmayr G, Weiland SK, Addo-Yobo E, Annesi-Maesano I, Björkstén B, Bråbäck L, Büchele G, Chico M, Cooper P, Clausen M, El Sharif N, Martinez Gimeno A, Mathur RS, von Mutius E, Morales Suarez-Varela M, Pearce N, Svabe V, Wong GWK, Yu M, Zhong NS, Williams HC, ISAAC Phase Two Study Group. How well do questionnaires perform compared with physical examination in detecting flexural eczema? Findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. Br J Dermatol. 2009; 161(4): 846-53. | Turkey | 2005-2007 |
| Guner SN, Gokturk B, Kilic M, Ozkiraz S. The prevalences of allergic diseases in rural and urban areas are similar. Allergol Immunopathol (Madr). 2011; 39(3): 140-4. | Turkey | 2007 |
| Kurt E, Metintas S, Basyigil I, Bulut I, Coskun E, | Turkey | 2006- |
| Reference                                                                 | Year | Country                  |
|--------------------------------------------------------------------------|------|--------------------------|
| Dabak S, Deveci F, Fidan F, Kaynar H, Uzaslan EK, Onbasi K, Ozkurt S, Karakis GP, Sahan S, Sahin U, Oguzulgen K, Yildiz F, Mungan D, Yorgancioglu A, Gemicioglu B, Fuat Kalyoncu A. Prevalence and Risk Factors of Allergies in Turkey (PARFAIT): results of a multicentre cross-sectional study in adults. Eur Respir J. 2009; 33(4): 724-33. | 2008 | Turkey                   |
| Talay F, Kurt B, Tug T, Yilmaz F, Goksugur N. Prevalence and risk factors of asthma and allergic diseases among schoolchildren in Bolu, Turkey. Acta Paediatr. 2008; 97(4): 459-62. | 2005-2007 | Turkey                  |
| Tamer E, Ilhan MN, Polat M, Lenk N, Alli N. Prevalence of skin diseases among pediatric patients in Turkey. J Dermatol. 2008; 35(7): 413-8. | 2004-2006 | Turkey                  |
| Yuksel H, Dinc G, Sakar A, Yilmaz O, Yorgancioglu A, Celik P, Ozcan C. Prevalence and comorbidity of allergic eczema, rhinitis, and asthma in a city in western Turkey. J Investig Allergol Clin Immunol. 2008; 18(1): 31-5. | 2005-2007 | Turkey                  |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | 1998, 2002 | Ukraine                 |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | 1998, 2002 | 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; 39(8): 1209-16. | 2008 | United Kingdom          |
| Rea JN, Newhouse ML, Halil T. Skin disease in Lambeth. A community study of prevalence and use of medical care. Br J Prev Soc Med. 1976; 30(2): 107-14. | 1976 | United Kingdom          |
| Schofield JK, Fleming D, Grindlay D, Williams H. Skin conditions are the commonest new reason people present to general practitioners in England and Wales. Br J Dermatol. 2011; 165(5): 1044-50. | 2006 | United Kingdom          |
| Simpson CR, Newton J, Hippsley-Cox J, Sheikh A. Trends in the epidemiology and prescribing of medication for eczema in England. J R Soc Med. 2009; 102(3): 108-17. | 2001-2004 | United Kingdom          |
Steele K. Primary dermatological care in general practice. J R Coll Gen Pract. 1984; 34(258): 22-3.

Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954.

Agency for Healthcare Research and Quality. United States Medical Expenditure Panel Survey 1996-2011. Agency for Healthcare Research and Quality.

Laughter D, Istvan JA, Tofte SJ, Hanifin JM. The prevalence of atopic dermatitis in Oregon schoolchildren. J Am Acad Dermatol. 2000; 43(4): 649-55.

National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). United States Skin Conditions and Related Need for Medical Care Among Persons 1-74 Years 1971-1974. Hyattsville, United States: US Department of Health, Education, and Welfare, 1978.

Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258.

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; 131(1): 67-73.

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; 132(5): 1132-8.

Silverberg JI, Silverberg NB. Childhood atopic dermatitis and warts are associated with increased risk of infection: A US population-based study. J Allergy Clin Immunol. 2014; 133(4): 1041-7.

Sun Y, Sundell J. Life style and home environment are associated with racial disparities of asthma and allergy in Northeast Texas children. Sci Total Environ. 2011; 409(20): 4229-34.

Williams H, Stewart A, Von Mutius E, Cookson W, United Kingdom 1992-1995, 2001-2002

Agency for Healthcare Research and Quality. United States Medical Expenditure Panel Survey 1996-2011.

Agency for Healthcare Research and Quality. United States Medical Expenditure Panel Survey 2002-2009.

United States 1992-1995, 2001-2002

United States 2002-2009

United States 1999

United States 1971-1974

United States 1996-2011

United States 2002-2009

United States 1999

United States 1971-1974

United States 2003

United States 2003

United States 2010

United States 2007

United States 2008-2009

United States 1995,
| Study | Country | Year(s)  | Reference | Notes |
|-------|---------|----------|-----------|-------|
| Anderson HR. | States | 2003 | Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Uruguay | 2002 | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. | Uruguay | 2001-2003 | Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. | Uruguay | 1994, 2002 | Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Venezuela | 2002 | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | |
| Solé D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. | Venezuela | 2001-2003 | Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Vietnam | 2001 | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Wales | 2002 | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | |
| Williams H, Stewart A, Von Mutius E, Cookson W, Anderson HR. | Wales | 1995, 2002 | Is eczema really on the increase worldwide. J Allergy Clin Immunol. 2008; 121(4): 947-954. | |
| Study | Authors | Title | Location | Year |
|-------|---------|-------|----------|------|
| Mallen CD, Mottram S, Wynne-Jones G, Thomas E. | Birth-related exposures and asthma and allergy in adulthood: a population-based cross-sectional study of young adults in North Staffordshire. | J Asthma. 2008; 45(4): 309-12. | West Midlands | 2002 |
| Li F, Zhou Y, Li S, Jiang F, Jin X, Yan C, Tian Y, Zhang Y, Tong S, Shen X. | Prevalence and risk factors of childhood allergic diseases in eight metropolitan cities in China: a multicenter study. | BMC Public Health. 2011; 437. | Xinjiang | 2005 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. | J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Xinjian | 2001 |
| Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI, ISAAC Phase Three Study Group. | Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three. | J Allergy Clin Immunol. 2009; 124(6): 1251-1258. | Yucatan | 2002-2003 |
| Paek SY, Koriakos A, Saxton-Daniels S, Pandya AG. | Skin diseases in rural Yucatan, Mexico. | Int J Dermatol. 2012; 51(7): 823-8. | Yucatan | 2009-2010 |
| Sòle D, Mallol J, Wandalsen GF, Aguirre V, Latin American ISAAC Phase 3 Study Group. | Prevalence of symptoms of eczema in Latin America: results of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase 3. | J Investig Allergol Clin Immunol. 2010; 20(4): 311-23. | Yucatan | 2001-2003 |
| Fungal skin diseases | Kilkenny M, Stathakis V, Jolley D, Marks R. | Maryborough skin health survey: prevalence and sources of advice for skin conditions. | Australas J Dermatol. 1998; 39(4): 233-7. | Australia | 1996 |
| Plunkett A, Merlin K, Gill D, Zuo Y, Jolley D, Marks R. | The frequency of common nonmalignant skin conditions in adults in central Victoria, Australia. | Int J Dermatol. 1999; 38(12): 901-8. | Australia | 1997-1998 |
| Bissek A-CZ-K, Tabah EN, Kouotou E, Sini V, Yepnjio FN, Ndítanchou R, Nchufor RN, Defo D, Dema F, Fonsah JY, Njamnshi AK, Muna WFT. | The spectrum of skin diseases in a rural setting in Cameroon (sub-Saharan Africa). | BMC Dermatol. 2012; 7. | Cameroon | 2010 |
| Fulgence KK, Abibatou K, Vincent D, Henriette V, Etienne AK, Kiki-Barro PC, Yavo W, Koné M, Hervé Menan EI. Tinea capitis in schoolchildren in southern Ivory Coast. Int J Dermatol. 2013; 52(4): 456-60. | Cote d'Ivoire | 2008-2009 |
| Abdel-Hafez K, Abdel-Aty MA, Hofny ERM. Prevalence of skin diseases in rural areas of Assiut Governorate, Upper Egypt. Int J Dermatol. 2003; 42(11): 887-92. | Egypt | 1994-1996 |
| Yamamah GA, Emam HM, Abdelhamid MF, Elsaie ML, Shehata H, Farid T, Kamel MI, Taalat AA. Epidemiologic study of dermatologic disorders among children in South Sinai, Egypt. Int J Dermatol. 2012; 51(10): 1180-5. | Egypt | 2008-2009 |
| Ali J, Yifru S, Woldeamanuel Y. Prevalence of tinea capitis and the causative agent among school children in Gondar, North West Ethiopia. Ethiop Med J. 2011; 47(4): 261-9. | Ethiopia | 2007-2008 |
| Figueroa JI, Fuller LC, Abraha A, Hay RJ. Dermatology in southwestern Ethiopia: rationale for a community approach. Int J Dermatol. 1998; 37(10): 752-8. | Ethiopia | 1994-1995 |
| Murgia V, Bilcha KD, Shibeshi D. Community dermatology in Debre Markos: an attempt to define children's dermatological needs in a rural area of Ethiopia. Int J Dermatol. 2010; 49(6): 666-71. | Ethiopia | 2009 |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | Gabon | 2005 |
| Hogewoning AA, Adegnika AA, Bouwes Bavinck JN, Yazdanbakhsh M, Kremsner PG, van der Raaij-Helmer EMH, Staats CCG, Willemze R, Lavrijsen APM. Prevalence and causative fungal species of tinea capitis among schoolchildren in Gabon. Mycoses. 2011; 54(5): e354-359. | Gabon | 2005 |
| Augustin M, Herberger K, Hintzen S, Heigel H, Franzke N, Schäfer I. Prevalence of skin lesions and need for treatment in a cohort of 90,880 workers. Br J Dermatol. 2011; 165(4): 865-73. | Germany | 2004-2009 |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | Gabon | 2004, 2007 |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Authors                  | Title                                                                 | Location                                      | Year       |
|-------------------------|------------------------------------------------------------------------|-----------------------------------------------|------------|
| Fung WK, Lo KK          | Prevalence of skin disease among school children and adolescents in a Student Health Service Center in Hong Kong. Pediat Dermatol. 2000; 17(6): 440-6. | Hong Kong Special Administrative Region of China | 1996-1997 |
| Grills N, Grills C, Spelman T, Stoove M, Hellard M, El-Hayek C, Singh R. | Prevalence survey of dermatological conditions in mountainous north India. Int J Dermatol. 2012; 51(5): 579-87. | India     | 2010      |
| Grover S, Ranyal RK, Bedi MK. | A cross section of skin diseases in rural Allahabad. Indian J Dermatol. 2008; 53(4): 179-81. | India     | 2005      |
| Patel JK, Vyas AP, Berman B, Vierra M. | Incidence of childhood dermatosis in India. Skinmed. 2010; 8(3): 136-42. | India     | 2000-2002 |
| Saw SM, Koh D, Adjani MR, Wong ML, Hong CY, Lee J, Chia SE, Munoz CP, Ong CN. | A population-based prevalence survey of skin diseases in adolescents and adults in rural Sumatra, Indonesia, 1999. Trans R Soc Trop Med Hyg. 2001; 95(4): 384-8. | Indonesia | 1999      |
| Al-Rubiay KK, Al-Rubaiy LK. | Dermatoepidemiology: A Household Survey Among Two Urban Areas In Basrah City, Iraq. The Internet Journal of Dermatology. 2006; 4(2): 10. | Iraq      | 2005      |
| Chepchirchir A, Bii C, Ndinya-Achola JO. | Dermatophyte infections in primary school children in Kibera slums of Nairobi. East Afr Med J. 2009; 86(2): 59-68. | Kenya     | 2006-2007 |
| Schmeller W, Baumgartner S, Dzikus A. | Dermatophytomycoses in children in rural Kenya: the impact of primary health care. Mycoses. 1997; 40(1-2): 55-63. | Kenya     | 1993, 1995 |
| Schmeller W, Dzikus A. | Skin diseases in children in rural Kenya: long-term results of a dermatology project within the primary health care system. Br J Dermatol. 2001; 144(1): 118-24. | Kenya     | 1999      |
| Carod J-F, Ratsitorahina M, Raherimandimby H, Hincky Vitrat V, Ravaolimalala Andrianaja V, Contet-Audonneau N. | Outbreak of Tinea capitis and corporis in a primary school in Antananarivo, Madagascar. J Infect Dev Ctries. 2011; 5(10): 732-6. | Madagascar | 2005 |
| Contet-Audonneau N, Grosjean P, Razanakolona L-R, Andriantsinjovina T, Rapelanoro R. | [Tinea capitis in Madagascar: a survey in a primary school | Madagascar | 2002 |
| Study                                                                 | Country       | Year   |
|----------------------------------------------------------------------|---------------|--------|
| Sidat MM, Correia D, Buene TP. Tinea capitis among children at one suburban primary school in the City of Maputo, Mozambique. Rev Soc Bras Med Trop. 2007; 40(4): 473-5. | Mozambique    | 2001   |
| Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. Skin disease is common in rural Nepal: results of a point prevalence study. Br J Dermatol. 2008; 158(2): 334-8. | Nepal         | 2004-06|
| Ogunbiyi AO, Owoaje E, Ndahi A. Prevalence of skin disorders in school children in Ibadan, Nigeria. Pediatr Dermatol. 2005; 22(1): 6-10. | Niger         | 2002-04|
| Adefemi SA, Odeigah LO, Alabi KM. Prevalence of dermatophytosis among primary school children in Oke-Oyi community of Kwara state. Niger J Clin Pract. 2011; 14(1): 23-8. | Nigeria       | 2005   |
| Ayanbimpe GM, Taghir H, Diya A, Wapwera S. Tinea capitis among primary school children in some parts of central Nigeria. Mycoses. 2008; 51(4): 336-40. | Nigeria       | 2004   |
| Eja ME, Arikpo GE, Enyi-Idoh KH, Etim SE, Etta HE. Efficacy of local herbal therapy in the management of dermatophytosis among primary school children in Cross River State, South-south Nigeria. Afr J Med Med Sci. 2009; 38(2): 135-41. | Nigeria       | 2006   |
| Emeele FE, Oyeka CA. Tinea capitis among primary school children in Anambra state of Nigeria. Mycoses. 2008; 51(6): 536-41. | Nigeria       | 2002-05|
| Nwogu AC, Otokunefor TV. Epidemiology of dermatophytes in a rural community in Eastern Nigeria and review of literature from Africa. Mycopathologia. 2007; 164(4): 149-58. | Nigeria       | 2003-04|
| Ogunbiyi AO, Omigbodun Y, Owoaje E. Prevalence of skin disorders in school children in southwest Nigeria. Int J Adolesc Med Health. 2009; 21(2): 235-41. | Nigeria       | 2006-08|
| Oyedeji O, Okeniyi J, Ogunlesi T, Onayemi O, Oyedeji G, Oyelami O. Parental factors influencing the prevalence of skin infections and infestations among Nigerian primary school pupils. The Internet Journal of Dermatology. 2006; 3(2): 6. | Nigeria       | 2003   |
| Popoola TOS, Ojo DA, Alabi RO. Prevalence of dermatophytosis in junior secondary schoolchildren in Ogun State, Nigeria. Mycoses. 2006; 49(6): 499-503. | Nigeria       | 2001-03|

© 2017 Karimkhani C et al. JAMA Dermatology.
| Study                                                                 | Country          | Year   |
|---------------------------------------------------------------------|------------------|--------|
| Flores JM, Castillo VB, Franco FC, Huata AB. Superficial fungal infections: clinical and epidemiological study in adolescents from marginal districts of Lima and Callao, Peru. J Infect Dev Ctries. 2009; 3(4): 313-7. | Peru             | 2006   |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | Rwanda           | 2007   |
| Amin TT, Ali A, Kaliyadan F. Skin disorders among male primary school children in Al Hassa, Saudi Arabia: prevalence and socio-demographic correlates--a comparison of urban and rural populations. Rural Remote Health. 2011; 11(1): 1517. | Saudi Arabia     | 2009   |
| Pérez-González M, Torres-Rodríguez JM, Martínez-Roig A, Segura S, Grier A, Triviño L, Pasarin M. Prevalence of tinea pedis, tinea unguium of toenails and tinea capitis in school children from Barcelona. Rev Iberoam Micol. 2009; 26(4): 228-32. | Spain            | 2003-2004 |
| Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunarathne LDA. Prevalence of skin diseases in suburban Sri Lanka. Ceylon Med J. 2000; 45(3): 123-8. | Sri Lanka        | 1997   |
| Chen G-Y, Cheng Y-W, Wang C-Y, Hsu T-J, Hsu MM-L, Yang P-T, Chen W-C. Prevalence of skin diseases among schoolchildren in Magong, Penghu, Taiwan: a community-based clinical survey. J Formos Med Assoc. 2008; 107(1): 21-9. | Taiwan           | 2005   |
| Ferié J, Dinkela A, Mbata M, Idindili B, Schmid-Grendelmeier P, Hatz C. Skin disorders among school children in rural Tanzania and an assessment of therapeutic needs. Trop Doct. 2006; 36(4): 219-21. | Tanzania         | 2003   |
| Komba EV, Mgonda YM. The spectrum of dermatological disorders among primary school children in Dar es Salaam. BMC Public Health. 2010; 10(1): 765. | Tanzania         | 2007-2010 |
| Kiraz N, Metintas S, Oz Y, Koc F, Koku Aksu EA, Kalyoncu C, Kasifoglu N, Cetin E, Arikan I. The prevalence of tinea pedis and tinea manuum in adults in rural areas in Turkey. Int J Environ Health Res. 2010; 20(5): 379-86. | Turkey           | 2007-2009 |
| Cantrell WC, Jacobs MK, Sobera JO, Parrish CA, | United           | 2008-2012 |
| Reference | Title | Year | Location
|-----------|-------|------|---------|
| Warner J, Elewski BE. | Tinea capitis in Birmingham: survey of elementary school students. | 2010 | States |
| Paek SY, Koriakos A, Saxton-Daniels S, Pandya AG. | Skin diseases in rural Yucatan, Mexico. | 2009-2010 | Yucatan |
| Pruritus | Canadian Institute for Health Information (CIHI). | 1994-2001 | Canada |
| | Canada National Ambulatory Care Reporting System. | 2002-2009 | Canada |
| Misery L, Rahhali N, Duhamel A, Taieb C. | Epidemiology of pruritus in france. | 2010 | France |
| Frese T, Herrmann K, Sandholzer H. | Pruritus as Reason for Encounter in General Practice. | 1999-2000 | Germany |
| Matterne U, Apfelbacher CJ, Loerbroks A, Schwarzer T, Büttnner M, Ofenloch R, Diepgen TL, Weisshaar E. | Prevalence, correlates and characteristics of chronic pruritus: a population-based cross-sectional study. | 2008-2009 | Germany |
| Ständer S, Schäfer I, Phan NQ, Blome C, Herberger K, Heigel H, Augustin M. | Prevalence of chronic pruritus in Germany: results of a cross-sectional study in a sample working population of 11,730. | 2008 | Germany |
| Al-Rubiay KK, Al-Rubaiy LK. | Dermatoepidemiology: A Household Survey Among Two Urban Areas In Basrah City, Iraq. | 2005 | Iraq |
| Becerril Angeles M, Vázquez Merino CL, Angeles Garay U, Alvarado Moctezuma LE, Vilchis Guizar E. | Prevalence of allergic diseases in the elderly. | 2006-2008 | Mexico |
| Mohammedamin RS, van der Wouden JC, Koning S, van der Linden MW, Schellevis FG, van Suijlekom-Smit LW, Koes BW. | Increasing incidence of skin disorders in children? A comparison between 1987 and 2001. | 1987, 2001 | Netherlands |
| Reference                                                                 | Country   | Date          |
|---------------------------------------------------------------------------|-----------|--------------|
| Ogunbiyi AO, Omigbodun Y, Owoaje E. Prevalence of skin disorders in school children in southwest Nigeria. Int J Adolesc Med Health. 2009; 21(2): 235-41. | Nigeria   | 2006-2008    |
| Dalgard F, Svensson A, Holm JØ, Sundby J. Self-reported skin morbidity in Oslo. Associations with sociodemographic factors among adults in a cross-sectional study. BMC Dermatol. 2004; 6(4): 452-7. | Norway    | 2000-2001    |
| Norwegian Directorate of Health. Norway Patient Register.                 | Norway    | 2008-2012    |
| Gutierrez E, Galarza C, Ramos W, Tello M, Rojas I, Chia H, Ronceros G, Ortega-Loayza A. Prevalence of skin diseases in a rural area of Peruvian Amazonia. Dermatol Peru. 2009; 19(2): 104-12. | Peru      | 2005         |
| Popescu R, Popescu CM, Williams HC, Forsea D. The prevalence of skin conditions in Romanian school children. Br J Dermatol. 1999; 140(5): 891-6. | Romania   | 1995         |
| Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunaratne LDA. Prevalence of skin diseases in suburban Sri Lanka. Ceylon Med J. 2000; 45(3): 123-8. | Sri Lanka | 1997         |
| Feriê J, Dinkela A, Mbata M, Idindili B, Schmid-Grendelmeier P, Hatz C. Skin disorders among school children in rural Tanzania and an assessment of therapeutic needs. Trop Doct. 2006; 36(4): 219-21. | Tanzania  | 2003         |
| Kiliç A, Gül U, Aslan E, Soylu S. Dermatological findings in the senior population of nursing homes in Turkey. Arch Gerontol Geriatr. 2008; 47(1): 93-8. | Turkey    | 2006         |
| Agency for Healthcare Research and Quality. United States Medical Expenditure Panel Survey 1996-2011. Agency for Healthcare Research and Quality. | United States | 1996-2011   |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 1995-2001   |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. | United States | 1995-2001   |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Disease | Study Details | Country | Years |
|---------|--------------|---------|-------|
| Psoriasis | Soriano ER, Rosa J, Velozo E, Schpilberg M, Imamura PM, Diaz J, Catoggio LJ. Incidence and prevalence of psoriatic arthritis in Buenos Aires, Argentina: a 6-year health management organization-based study. Rheumatology. 2011; 50(4): 729-34. | Argentina | 2000-2006 |
| | Australian Bureau of Statistics. Australia National Health Survey. Canberra, Australia: Australian Bureau of Statistics. | Australia | 1995-1996, 2001 |
| | Australian Bureau of Statistics. Australia National Health Survey 2004-2005. | Australia | 2004-2005 |
| | Australian Bureau of Statistics. Australia National Health Survey 2007-2008. Canberra, Australia: Australian Bureau of Statistics. | Australia | 2007-2008 |
| | Li R, Sun J, Ren L-M, Wang H-Y, Liu W-H, Zhang X-W, Chen S, Mu R, He J, Zhao Y, Long L, Liu Y-Y, Liu X, Lu X-L, Li Y-H, Wang S-Y, Pan S-S, Li C, Wang H-Y, Li Z-G. Epidemiology of eight common rheumatic diseases in China: a large-scale cross-sectional survey in Beijing. Rheumatology. 2012; 51(4): 721-9. | Beijing | 2009-2011 |
| | Carneiro JN, Paula AP de, Martins GA. Psoriatic | Brazil | 2009- |
| Study                                                                 | Country/Region                  | Year/Range |
|----------------------------------------------------------------------|---------------------------------|------------|
| Arthritis in patients with psoriasis: evaluation of clinical and epidemiological features in 133 patients followed at the University Hospital of Brasilia. An Bras Dermatol. 2012; 87(4): 539-44. | Central Latin America           | 1989-1991  |
| Estrada Castañón R, Torres Bibiano B, Alarcón Hernández H, Villegas Arrizón A, Martínez Sandoval E, Chávez López G, Andersson N. Epidemiología cutánea en dos sectores de atención médica en Guerrero, México; Cutaneous epidemiology in two sectors of Guerrero, Mexico. Dermatol rev mex. 1992; 36(1): 29-34. | China                           | 2009-2011  |
| Ding X, Wang T, Shen Y, Wang X, Zhou C, Tian S, Liu Y, Peng G, Zhou J, Xue S, Wang R, Tang Y, Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. Prevalence of psoriasis in China: a population-based study in six cities. Eur J Dermatol. 2012; 22(5): 663-7. | Chongqing                       | 2009-2011  |
| Li R, Sun J, Ren L-M, Wang H-Y, Liu W-H, Zhang X-W, Chen S, Mu R, He J, Zhao Y, Long L, Liu Y-Y, Liu X, Lu X-L, Li Y-H, Wang S-Y, Pan S-S, Li C, Wang H-Y, Li Z-G. Epidemiology of eight common rheumatic diseases in China: a large-scale cross-sectional survey in Beijing. Rheumatology. 2012; 51(4): 721-9. | East Asia                       | 1996-1997  |
| Fung WK, Lo KK. Prevalence of skin disease among school children and adolescents in a Student Health Service Center in Hong Kong. Pediatr Dermatol. 2000; 17(6): 440-6. | Eastern Sub-Saharan Africa       | 1994       |
| Gibbs, S. Skin disease and socioeconomic conditions in rural Africa: Tanzania. Int J Dermatol. 1996; 35(9): 633-9. | Egypt                           | 2001       |
| Abdel-Hafez K, Abdel-Aty MA, Hofny ERM. Prevalence of skin diseases in rural areas of Assiut Governorate, Upper Egypt. Int J Dermatol. 2003; 42(11): 887-92. | Egypt                           | 2008-2009  |
| Yamamah GA, Emam HM, Abdelhamid MF, Elsaie ML, Shehata H, Farid T, Kamel MI, Taalat AA. Epidemiologic study of dermatologic disorders among children in South Sinai, Egypt. Int J Dermatol. 2012; 51(10): 1180-5. | Ethiopia                        | 1994       |
| Figueroa JL, Fuller LC, Abraha A, Hay RJ. Dermatology in southwestern Ethiopia: rationale for a community approach. Int J Dermatol. 1998; 37(10): 752-8. | Ethiopia                        | 1998       |
| Leekassa R, Bizuneh E, Alem A, Fekadu A, Shibre T. Community diagnosis of common skin diseases | Ethiopia                        | 1998       |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Reference | Year | Location |
|-----------|------|----------|
| in the Zay community of the Zeway Islands, Ethiopia. Ethiop Med J. 2005; 43(3): 189-95. | 2005 | Ethiopia |
| Wolkenstein P, Revuz J, Roujeau JC, Bonnelye G, Grob JJ, Bastuji-Garin S, French Society of Dermatology. Psoriasis in France and associated risk factors: results of a case-control study based on a large community survey. Dermatology (Basel). 2009; 218(2): 103-9. | 2009 | France |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | 2013 | Gabon |
| Augustin M, Glaeske G, Radtke MA, Christophers E, Reich K, Schäfer I. Epidemiology and comorbidity of psoriasis in children. Br J Dermatol. 2010; 162(3): 633-6. | 2010 | Germany |
| Augustin M, Herberger K, Hintzen S, Heigel H, Franzke N, Schäfer I. Prevalence of skin lesions and need for treatment in a cohort of 90,880 workers. Br J Dermatol. 2011; 165(4): 865-73. | 2011 | Germany |
| Frese T, Herrmann K, Sandholzer H. Pruritus as Reason for Encounter in General Practice. J Clin Med Res. 2011; 3(5): 223-9. | 2011 | Germany |
| Radtke MA, Reich K, Blome C, Rustenbach S, Augustin M. Prevalence and clinical features of psoriatic arthritis and joint complaints in 2009 patients with psoriasis: results of a German national survey. J Eur Acad Dermatol Venereol. 2009; 23(6): 683-91. | 2009 | Germany |
| Reich K, Krüger K, Mössner R, Augustin M. Epidemiology and clinical pattern of psoriatic arthritis in Germany: a prospective interdisciplinary epidemiological study of 1511 patients with plaque-type psoriasis. Br J Dermatol. 2009; 160(5): 1040-7. | 2009 | Germany |
| Schaefer I, Rustenbach SJ, Zimmer L, Augustin M. Prevalence of skin diseases in a cohort of 48,665 employees in Germany. Dermatology (Basel). 2008; 217(2): 169-72. | 2008 | Germany |
| Troitzsch P, Paulista Markus MR, Dörr M, Felix SB, Jünger M, Schminke U, Schmidt C-O, Völzke H, Baumeister SE, Arnold A. Psoriasis is associated with increased intima-media thickness--the Study of Health in Pomerania (SHIP). Atherosclerosis. 2012; 225(2): 486-90. | 2012 | Germany |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye | 2004, | Ghana |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Reference                                                                 | Location          | Year(s)   |
|--------------------------------------------------------------------------|-------------------|-----------|
| D, Yazdanbakhsh M, Adegniaka A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. |                   | 2007      |
| Ding X, Wang T, Shen Y, Wang X, Zhou C, Tian S, Liu Y, Peng G, Zhou J, Xue S, Wang R, Tang Y, Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. Prevalence of psoriasis in China: a population-based study in six cities. Eur J Dermatol. 2012; 22(5): 663-7. | Hebei             | 2009-2011 |
| Ding X, Wang T, Shen Y, Wang X, Zhou C, Tian S, Liu Y, Peng G, Zhou J, Xue S, Wang R, Tang Y, Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. Prevalence of psoriasis in China: a population-based study in six cities. Eur J Dermatol. 2012; 22(5): 663-7. | Henan             | 2009-2011 |
| Love TJ, Gudjonsson JE, Valdimarsson H, Gudbjornsson B. Psoriatic arthritis and onycholysis -- results from the cross-sectional Reykjavik psoriatic arthritis study. J. Rheumatol. 2012; 39(7): 1441-4. | Iceland           | 2009-2011 |
| Grills N, Grills C, Spelman T, Stoove M, Hellard M, El-Hayek C, Singh R. Prevalence survey of dermatological conditions in mountainous north India. Int J Dermatol. 2012; 51(5): 579-87. | India             | 2010      |
| Kuruvila M, Dubey S, Gahalaut P. Pattern of skin diseases among migrant construction workers in Mangalore. Indian J Dermatol Venereol Leprol. 2006; 72(2): 129-32. | India             | 2005      |
| Prasad PVS, Bikku B, Kaviarasas PK, Senthilnathan A. A clinical study of psoriatic arthropathy. Indian J Dermatol Venereol Leprol. 2007; 73(3): 166-70. | India, rural      | 2005      |
| Lee J, Koh D, Andijani M, Saw SM, Munoz C, Chia SE, Wong ML, Hong CY, Ong CN. Effluents from a pulp and paper mill: a skin and health survey of children living in upstream and downstream villages. Occup Environ Med. 2002; 59(6): 373-9. | Indonesia         | 1999      |
| Saw SM, Koh D, Adjani MR, Wong ML, Hong CY, Lee J, Chia SE, Munoz CP, Ong CN. A population-based prevalence survey of skin diseases in adolescents and adults in rural Sumatra, Indonesia, 1999. Trans R Soc Trop Med Hyg. 2001; 95(4): 384-8. | Indonesia         | 1999      |
| Ding X, Wang T, Shen Y, Wang X, Zhou C, Tian S, Liu Y, Peng G, Zhou J, Xue S, Wang R, Tang Y, | Inner Mongolia    | 2009-2011 |
| Reference                                                                 | Country | Year Range |
|--------------------------------------------------------------------------|---------|------------|
| Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. Prevalence of psoriasis in China: a population-based study in six cities. Eur J Dermatol. 2012; 22(5): 663-7. |         |            |
| Jamshidi F, Bouzari N, Seirafi H, Farnaghi F, Firooz A. The prevalence of psoriatic arthritis in psoriatic patients in Tehran, Iran. Arch Iran Med. 2008; 11(2): 162-5. | Iran    | 2003-2004  |
| Li R, Sun J, Ren L-M, Wang H-Y, Liu W-H, Zhang X-W, Chen S, Mu R, He J, Zhao Y, Long L, Liu Y-Y, Liu X, Lu X-L, Li Y-H, Wang S-Y, Pan S-S, Li C, Wang H-Y, Li Z-G. Epidemiology of eight common rheumatic diseases in China: a large-scale cross-sectional survey in Beijing. Rheumatology. 2012; 51(4): 721-9. | Iran    | 2003-2004  |
| Al-Rubiay KK, Al-Rubaiy LK. Dermatoepidemiology: A Household Survey Among Two Urban Areas In Basrah City, Iraq. The Internet Journal of Dermatology. 2006; 4(2): 10. | Iraq    | 2005       |
| Haroon M, Kirby B, FitzGerald O. High prevalence of psoriatic arthritis in patients with severe psoriasis with suboptimal performance of screening questionnaires. Ann Rheum Dis. 2013; 72(5): 736-40. | Iceland | 2010-2012  |
| De Angelis R, Salaffi F, Grassi W. Prevalence of spondyloarthopathies in an Italian population sample: a regional community-based study. Scand J Rheumatol. 2007; 36(1): 14-21. | Italy   | 2006       |
| Naldi L, Parazzini F, Gallus S, GISED Study Centres. Prevalence of atopic dermatitis in Italian schoolchildren: factors affecting its variation. Acta Derm. Venereol. 2009; 89(2): 122-5. | Italy   | 1997       |
| Saraceno R, Mannheimer R, Chimenti S. Regional distribution of psoriasis in Italy. J Eur Acad Dermatol Venereol. 2008; 22(3): 324-9. | Italy   | 2006       |
| Mahé A, Prual A, Konaté M, Bobin P. Skin diseases of children in Mali: a public health problem. Trans R Soc Trop Med Hyg. 1995; 89(5): 467-70. | Mali    | 1993-1994  |
| Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. Skin disease is common in rural Nepal: results of a point prevalence study. Br J Dermatol. 2008; 158(2): 334-8. | Nepal   | 2006       |
| Onayemi O, Isezuo SA, Njoku CH. Prevalence of different skin conditions in an outpatients' setting in north-western Nigeria. Int J Dermatol. 2005; 44(1): 11-Jul. | Nigeria | 1999-2001  |

© 2017 Karimkhani C et al. *JAMA Dermatology*. 
| Author(s) | Title | Region | Year |
|----------|-------|--------|------|
| Al-Shammari SA, Al-Sheikh O. | Skin morbidity pattern among patients seen at a university primary care clinic in Riyadh, Saudi Arabia. | North Africa and Middle East | 1993-1994 |
| Halvorsen JA, Braae Olesen A, Thoresen M, Holm JO, Bjertness E, Dalgard F. | Comparison of self-reported skin complaints with objective skin signs among adolescents. | Norway | 2006 |
| Olsen AO, Grjibovski A, Magnus P, Tambs K, Harris JR. | Psoriasis in Norway as observed in a population-based Norwegian twin panel. | Norway | 1998 |
| Gutierrez EL, Galarza C, Ramos W. | Prevalencia de Enfermedades Dermatológicas en una comunidad rural de Ucayali, Perú. | Peru | 2005 |
| Popescu R, Popescu CM, Williams HC, Forsea D. | The prevalence of skin conditions in Romanian school children. | Romania | 1995 |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. | Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. | Rwanda | 2007 |
| Al-Saeed WY, Al-Dawood KM, Bukhari IA, Bahnassy AA. | Prevalence and pattern of skin disorders among female schoolchildren in Eastern Saudi Arabia. | Saudi Arabia | 2003 |
| Amin TT, Ali A, Kaliyadan F. | Skin disorders among male primary school children in Al Hassa, Saudi Arabia: prevalence and socio-demographic correlates—a comparison of urban and rural populations. | Saudi Arabia | 2009 |
| Ding X, Wang T, Shen Y, Wang X, Zhou C, Tian S, Liu Y, Peng G, Zhou J, Xue S, Wang R, Tang Y, Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. | Prevalence of psoriasis in China: a population-based study in six cities. | Shandong | 2009-2011 |
| Yang Q, Qu L, Tian H, Hu Y, Peng J, Yu X, Yu C, Pei Z, Wang G, Shi B, Zhang F, Zhang Y, Zhang F. | Prevalence and characteristics of psoriatic arthritis | Shandong | 2009 |
| Study                                                                 | Country/Region | Year(s)     |
|----------------------------------------------------------------------|----------------|-------------|
| Ding X, Wang T, Shen Y, Wang X, Zhou C, Tian S, Liu Y, Peng G, Zhou J, Xue S, Wang R, Tang Y, Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. Prevalence of psoriasis in China: a population-based study in six cities. Eur J Dermatol. 2012; 22(5): 663-7. | Shanxi         | 2009-2011   |
| Ding X, Wang T, Shen Y, Wang X, Zhou C, Tian S, Liu Y, Peng G, Zhou J, Xue S, Wang R, Tang Y, Meng X, Pei G, Bai Y, Liu Q, Li H, Zhang J. Prevalence of psoriasis in China: a population-based study in six cities. Eur J Dermatol. 2012; 22(5): 663-7. | Sichuan        | 2009-2011   |
| Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunaratne LDA. Prevalence of skin diseases in suburban Sri Lanka. Ceylon Med J. 2000; 45(3): 123-8. | Sri Lanka      | 1997        |
| Lindberg M, Isacson D, Bingeors K. Self-reported skin diseases, quality of life and medication use: a nationwide pharmaco-epidemiological survey in Sweden. Acta Derm Venereol. 2014; 94(2): 188-91. | Sweden         | 2004-2005   |
| Chang Y-T, Chen T-J, Liu P-C, Chen Y-C, Chen Y-J, Huang Y-L, Jih J-S, Chen C-C, Lee D-D, Wang W-J, Lin M-W, Liu H-N. Epidemiological study of psoriasis in the national health insurance database in Taiwan. Acta Derm Venereol. 2009; 89(3): 262-6. | Taiwan         | 2000-2006   |
| Chen G-Y, Cheng Y-W, Wang C-Y, Hsu T-J, Hsu MM-L, Yang P-T, Chen W-C. Prevalence of skin diseases among schoolchildren in Magong, Penghu, Taiwan: a community-based clinical survey. J Formos Med Assoc. 2008; 107(1): 21-9. | Taiwan         | 2005        |
| Yang Y-C, Cheng Y-W, Lai C-S, Chen W. Prevalence of childhood acne, ephelides, warts, atopic dermatitis, psoriasis, alopecia areata and keloid in Kaohsiung County, Taiwan: a community-based clinical survey. J Eur Acad Dermatol Venereol. 2007; 21(5): 643-9. | Taiwan         | 2004        |
| Henderson CA. Skin disease in rural Tanzania. Int J Dermatol. 1996; 35(9): 640-2. | Tanzania       | 1991        |
| Satimia FT, McBride SR, Leppard B. Prevalence of skin disease in rural Tanzania and factors influencing the choice of health care, modern or traditional. Arch Dermatol. 1998; 134(11): 1363-6. | Tanzania       | 1996        |
| Tuncel AA, Erbagci Z. Prevalence of skin diseases among male adolescent and post- | Turkey         | 2004        |
| Study Title                                                                 | Author(s)                                                                 | Country       | Year       |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------|------------|
| Prevalence and treatment of psoriasis in the United Kingdom: a population-based study. | Gelfand JM, Weinstein R, Porter SB, Neimann AL, Berlin JA, Margolis DJ. | United Kingdom | 1987-2002  |
| Incidence and risk factors for psoriasis in the general population.        | Huerta C, Rivero E, Rodríguez LAG. | United Kingdom | 1996-1997  |
| Psoriasis in the community: prevalence, severity and patients' beliefs and attitudes towards the disease. | Nevitt GJ, Hutchinson PE. | United Kingdom | 1995       |
| Skin disease in Lambeth. A community study of prevalence and use of medical care. | Rea JN, Newhouse ML, Halil T. | United Kingdom | 1976       |
| Primary dermatological care in general practice.                           | Steele K. | United Kingdom | 1983       |
| A survey of skin problems and skin care regimens in the elderly.           | Bearegard S, Gilchrest BA. | United States | 1985-1987  |
| Incidence of psoriasis in Rochester, Minn, 1980-1983.                      | Bell LM, Sedlack R, Beard CM, Perry HO, Michet CJ, Kurland LT. | United States | 1980-1983  |
| Determinants of quality of life in patients with psoriasis: a study from the US population. | Gelfand JM, Feldman SR, Stern RS, Thomas J, Rolstad T, Margolis DJ. | United States | 2001       |
| Epidemiology of psoriatic arthritis in the population of the United States. | Gelfand JM, Gladman DD, Mease PJ, Smith N, Margolis DJ, Nijsten T, Stern RS, Feldman SR, Rolstad T. | United States | 2001       |
| Trends in incidence of adult-onset psoriasis over three decades: a population-based study. | Icen M, Crowson CS, McEvoy MT, Dann FJ, Gabriel SE, Maradit Kremers H. | United States | 1979-1999  |
| The prevalence of previously diagnosed and undiagnosed psoriasis in US adults: results from NHANES 2003-2004. | Kurd SK, Gelfand JM. | United States | 2003-2004  |
| **Scabies** | **Title** | **Authors** | **Journal** | **Year** |
|-------------|-----------|-------------|-------------|----------|
| Shbeeb M, Uramoto KM, Gibson LE, O'Fallon WM, Gabriel SE. The epidemiology of psoriatic arthritis in Olmsted County, Minnesota, USA, 1982-1991. J Rheumatol. 2000; 27(5): 1247-50. | United States | 1982-1992 |
| Tollefson MM, Crowson CS, McEvoy MT, Maradit Kremers H. Incidence of psoriasis in children: a population-based study. J Am Acad Dermatol. 2010; 62(6): 979-87. | United States | 1970-1999 |
| Wilson FC, Icen M, Crowson CS, McEvoy MT, Gabriel SE, Kremers HM. Incidence and clinical predictors of psoriatic arthritis in patients with psoriasis: a population-based study. Arthritis Rheum. 2009; 61(2): 233-9. | United States | 1970-1999 |
| Wilson FC, Icen M, Crowson CS, McEvoy MT, Gabriel SE, Kremers HM. Time trends in epidemiology and characteristics of psoriatic arthritis over 3 decades: a population-based study. J. Rheumatol. 2009; 36(2): 361-7. | United States | 1970-1999 |
| Scabies | Clucas DB, Carville KS, Connors C, Currie BJ, Carapetis JR, Andrews RM. Disease burden and health-care clinic attendances for young children in remote aboriginal communities of northern Australia. Bull World Health Organ. 2008; 86(4): 275-81. | Australia | 2002-2005 |
| Lapeere H, Naeyaert J-M, De Weert J, De Maeseneer J, Brochez L. Incidence of scabies in Belgium. Epidemiol Infect. 2008; 136(3): 395-8. | Belgium | 2004 |
| Bechelli LM, Haddad N, Pimenta WP, Pagnano PM, Melchior E Jr, Fregnan RC, Zanin LC, Arenas A. Epidemiological survey of skin diseases in schoolchildren living in the Purus Valley (Acre State, Amazonia, Brazil). Dermatologica. 1981; 163(1): 78-93. | Brazil | 1974-1975 |
| Feldmeier H, Jackson A, Ariza L, Calheiros CML, Soares V de L, Oliveira FA, Hengge UR, Heukelbach J. The epidemiology of scabies in an impoverished community in rural Brazil: presence and severity of disease are associated with poor living conditions and illiteracy. J Am Acad Dermatol. 2003 | Brazil | 2003 |
| Reference | Location | Year |
|-----------|----------|------|
| Heukelbach J, Wileke T, Winter B, Feldmeier H. Epidemiology and morbidity of scabies and pediculosis capitis in resource-poor communities in Brazil. Br J Dermatol. 2005; 153(1): 150-6. | Brazil | 2001 |
| Abdel-Hafez K, Abdel-Aty MA, Hofny ERM. Prevalence of skin diseases in rural areas of Assiut Governorate, Upper Egypt. Int J Dermatol. 2003; 42(11): 887-92. | Egypt | 1994-1996 |
| Ali J, Yifru S, Woldeamanuel Y. Prevalence of tinea capitis and the causative agent among school children in Gondar, North West Ethiopia. Ethiop Med J. 2011; 47(4): 261-9. | Ethiopia | 2007-2008 |
| Dagnew MB, Günther E. Epidemiology of communicable skin diseases in school children of a rural area in North Ethiopia. Dermatol Monatsschr. 1990; 176(176): 219-23. | Ethiopia | 1989 |
| Leekassa R, Bizuneh E, Alem A, Fekadu A, Shibre T. Community diagnosis of common skin diseases in the Zay community of the Zeway Islands, Ethiopia. Ethiop Med J. 2005; 43(3): 189-95. | Ethiopia | 1998 |
| Woldeamanuel Y, Leekassa R, Chryssanthou E, Menghistu Y, Petrini B. Prevalence of tinea capitis in Ethiopian schoolchildren. Mycoses. 2005; 48(2): 137-41. | Ethiopia | 2003-2005 |
| Steer AC, Jenney AWJ, Kado J, Batzloff MR, La Vincente S, Waqatakirewa L, Mulholland EK, Carapetis JR. High burden of impetigo and scabies in a tropical country. PLoS Negl Trop Dis. 2009; 3(6): e467. | Fiji | 2006-2007 |
| Steer AC, Tikoduadua LV, Manalac EM, Colquhoun S, Carapetis JR, Maclellnan C. Validation of an Integrated Management of Childhood Illness algorithm for managing common skin conditions in Fiji. Bull World Health Organ. 2009; 87(3): 173-9. | Fiji | 2007 |
| Kramkimel N, Soussan V, Beauchet A, Duhamel A, Saiag P, Chevallier B, Mahé E. High frequency, diversity and severity of skin diseases in a paediatric emergency department. J Eur Acad Dermatol Venereol. 2010; 24(12): 1468-75. | France | 2006 |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | Gabon | 2005 |
| Study                                                                 | Country          | Year(s)       |
|----------------------------------------------------------------------|------------------|---------------|
| Frese T, Herrmann K, Sandholzer H. Pruritus as Reason for Encounter in General Practice. J Clin Med Res. 2011; 3(5): 223-9. | Germany          | 1999-2000     |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | Ghana            | 2004          |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | Ghana            | 2007          |
| Fung WK, Lo KK. Prevalence of skin disease among school children and adolescents in a Student Health Service Center in Hong Kong. Pediatr Dermatol. 2000; 17(6): 440-6. | Hong Kong Special Administrative Region of China | 1996-1997 |
| Grills N, Grills C, Spelman T, Stoove M, Hellard M, El-Hayek C, Singh R. Prevalence survey of dermatological conditions in mountainous north India. Int J Dermatol. 2012; 51(5): 579-87. | India            | 2010          |
| Grover S, Ranyal RK, Bedi MK. A cross section of skin diseases in rural Allahabad. Indian J Dermatol. 2008; 53(4): 179-81. | India            | 2005          |
| Libu GK, Bina T, Raphael L, Balakrishnan SE, Biju G, Samson JF, Bindu V. Prevalence and socio-demographic determinants of skin disease among lower primary school children in Calicut, Kerala. IMAKMJ. 2010; 185-90. | India            | 2006          |
| Patel JK, Vyas AP, Berman B, Vierra M. Incidence of childhood dermatosis in India. Skinmed. 2010; 8(3): 136-42. | India            | 2000-2002     |
| Lee J, Koh D, Andijani M, Saw SM, Munoz C, Chia SE, Wong ML, Hong CY, Ong CN. Effluents from a pulp and paper mill: a skin and health survey of children living in upstream and downstream villages. Occup Environ Med. 2002; 59(6): 373-9. | Indonesia        | 1999          |
| Al-Rubiay KK, Al-Rubaiky LK. Dermatopepidemiology: A Household Survey Among Two Urban Areas In Basrah City, Iraq. The Internet Journal of Dermatology. 2006; 4(2): 10. | Iraq             | 2005          |
| Schmeller W, Dzikus A. Skin diseases in children in rural Kenya: long-term results of a dermatology project within the primary health care system. Br J Dermatol. 2001; 144(1): 118-24. | Kenya            | 1993, 1999    |
| Mahé A, Prual A, Konaté M, Bobin P. Skin diseases | Mali             | 1993-1999     |
| Reference                                                                 | Year | Location          |
|--------------------------------------------------------------------------|------|-------------------|
| of children in Mali: a public health problem. Trans R Soc Trop Med Hyg. 1995; 89(5): 467-70. | 1994 | Mali              |
| Hay RJ, Castanon RE, Hernandez HA, Lopez GC, Fuentes LF, Solis SP, Andersson N. Wastage of family income on skin disease in Mexico. BMJ. 1994; 309(6958): 848. | 1993 | Mexico            |
| Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. Skin disease is common in rural Nepal: results of a point prevalence study. Br J Dermatol. 2008; 158(2): 334-8. | 2006 | Nepal             |
| Emodi IJ, Ikefuna AN, Uchendu U, Duru A. Skin diseases among children attending the out patient clinic of the University of Nigeria teaching hospital, Enug. Afr Health Sci. 2010; 10(4). | 1996-2005 | Nigeria          |
| Ogunbiyi AO, Omigbodun Y, Owoaje E. Prevalence of skin disorders in school children in southwest Nigeria. Int J Adolesc Med Health. 2009; 21(2): 235-41. | 2002-2004, 2006-2008 | Nigeria          |
| Oyedeji O, Okeniyi J, Ogunlesi T, Onayemi O, Oyedeji G, Oyelami O. Parental factors influencing the prevalence of skin infections and infestations among Nigerian primary school pupils. The Internet Journal of Dermatology. 2006; 3(2): 6. | 2003 | Nigeria          |
| Amro A, Hamarsheh O. Epidemiology of scabies in the West Bank, Palestinian Territories (Occupied). Int J Infect Dis. 2012; 16(2): e117-120. | 2005-2010 | Palestine        |
| Popescu R, Popescu CM, Williams HC, Forsea D. The prevalence of skin conditions in Romanian school children. Br J Dermatol. 1999; 140(5): 891-6. | 1995 | Romania          |
| Ibragimov SI. The structure of skin pathology in middle-aged and elderly subjects. Vestn Dermatol Venerol. 1990; 2: 37-40. | 1989-1990 | Romania          |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. Int J Dermatol. 2013; 52(5): 589-600. | 2007 | Rwanda           |
| Amin TT, Ali A, Kaliyadan F. Skin disorders among male primary school children in Al Hassa, Saudi Arabia: prevalence and socio-demographic correlates—a comparison of urban and rural populations. Rural Remote Health. 2011; 11(1): 1517. | 2009-2010 | Saudi Arabia     |
| Eason RJ, Tasman-Jones T. Resurgent yaws and other skin diseases in the Western Province of the Solomon Islands | 1984 | Solomon Islands   |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Country         | Year    |
|-----------------|---------|
| Solomon Islands | 1985    |
| Sri Lanka       | 1997    |
| Taiwan          | 2005    |
| Sri Lanka       | 2000    |
| Taiwan          | 2005    |
| Tanzania        | 2003    |
| Tanzania        | 1993-19995 |
| Tanzania        | 1991    |
| Tanzania        | 2007-2009 |
| Timor-Leste     | 2007    |
| United Kingdom  | 1994-2003 |
| United States   | 1995-2001 |
| United          | 2002-2003 |
| Skin infection | Study | Country | Year(s) |
|----------------|-------|---------|---------|
| | Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 2002. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 2002-2010 |
| | National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 2007. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 2007-2010 |
| | National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 1993. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 1991-1994 |
| | Harris M, Nako D, Hopkins T, Powell DM, Kenny C, Carroll C, Carroll K. Skin infections in Tanna, Vanuatu in 1989. P N G Med J. 1992; 35(2): 137-43. | Vanuatu | 1989 |
| | Paek SY, Koriakos A, Saxton-Daniels S, Pandya AG. Skin diseases in rural Yucatan, Mexico. Int J Dermatol. 2012; 51(7): 823-8. | Yucatan | 2009-2010 |
| | Kilkenny M, Stathakis V, Jolley D, Marks R. Maryborough skin health survey: prevalence and sources of advice for skin conditions. Australas J Dermatol. 1998; 39(4): 233-7. | Australia | 1996 |
| | Canadian Institute for Health Information (CIHI). Canada National Ambulatory Care Reporting System. Ottawa, Canada: Canadian Institute for Health Information (CIHI). | Canada | 2002-2009 |
| | Kjaer HF, Eller E, Høst A, Andersen KE, Bindslev-Jensen C. The prevalence of allergic diseases in an unselected group of 6-year-old children. The DARC birth cohort study. Pediatr Allergy Immunol. 2008; | Denmark | 1998-1999 |
| Citation | Location | Dates |
|----------|----------|-------|
| Frese T, Herrmann K, Sandholzer H. Pruritus as Reason for Encounter in General Practice. J Clin Med Res. 2011; 3(5): 223-9. | Germany | 1999-2000 |
| Zuberbier T, Balke M, Worm M, Edenharter G, Maurer M. Epidemiology of urticaria: a representative cross-sectional population survey. Clinical and experimental dermatology. 2010; 35(8): 869-73. | Germany | 2009-2010 |
| Konstantinou GN, Papadopoulos NG, Tavladaki T, Tsekoura T, Tsimikagaki A, Grattan CEH. Childhood acute urticaria in northern and southern Europe shows a similar epidemiological pattern and significant meteorological influences. Pediatr Allergy Immunol. 2011; 22(1 Pt 1): 36-42. | Greece | 2005-2007 |
| Fung WK, Lo KK. Prevalence of skin disease among school children and adolescents in a Student Health Service Center in Hong Kong. Pediatr Dermatol. 2000; 17(6): 440-6. | Hong Kong Special Administrative Region of China | 1996-1997 |
| Naldi L, Colombo P, Placchesi EB, Piccitto R, Chatenoud L, La Vecchia C. Study design and preliminary results from the pilot phase of the PraKtis study: self-reported diagnoses of selected skin diseases in a representative sample of the Italian population. Dermatology (Basel). 2004; 208(1): 38-42. | Italy | 2003 |
| Becerril Angeles M, Vázquez Merino CL, Angeles Garay U, Alvarado Moctezuma LE, Vilchis Guízar E. Prevalence of allergic diseases in the elderly. Rev Alerg Mex. 2008; 55(3): 85-91. | Mexico | 2006-2008 |
| Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. Skin disease is common in rural Nepal: results of a point prevalence study. Br J Dermatol. 2008; 158(2): 334-8. | Nepal | 2006 |
| Massa A, Alves R, Amado J, Matos E, Sanches M, Selores M, Santos C, Costa V, Velho G, Oliveira M, Ferreira E, Taveira M, Silva NS, Granado E, Lemos A, Calheiros JM. Prevalence of cutaneous lesions in Freixo de Espada à Cinta. Acta médica portuguesa. 2000; 13(5-6): 247-54. | Portugal | 1998 |
| Popescu R, Popescu CM, Williams HC, Forsea D. The prevalence of skin conditions in Romanian school children. Br J Dermatol. 1999; 140(5): 891-6. | Romania | 1995 |
| Al-Saeed WY, Al-Dawood KM, Bukhari IA, | Saudi | 2003 |
| Reference | Country            | Year(s)       |
|-----------|--------------------|---------------|
| Bahnassy AA. Prevalence and pattern of skin disorders among female schoolchildren in Eastern Saudi Arabia. Saudi Med J. 2006; 27(2): 227-34. | Saudi Arabia | 2006 |
| Amin TT, Ali A, Kaliyadan F. Skin disorders among male primary school children in Al Hassa, Saudi Arabia: prevalence and socio-demographic correlates-a comparison of urban and rural populations. Rural Remote Health. 2011; 11(1517). | Saudi Arabia | 2011 |
| Konstantinou GN, Papadopoulos NG, Tavladaki T, Tsekoura T, Tsilimigaki A, Grattan CEH. Childhood acute urticaria in northern and southern Europe shows a similar epidemiological pattern and significant meteorological influences. Pediatr Allergy Immunol. 2011; 22(1 Pt 1): 36-42. | South East England | 2005-2007 |
| Gaig P, Olona M, Munoz Lejarazu D, Caballero MT, Domínguez FJ, Echechipia S, Garcia Abujeta JL, Gonzalo MA, Lleonart R, Martinez Cocera C, Rodriguez A, Ferrer M. Epidemiology of urticaria in Spain. J Investig Allergol Clin Immunol. 2004; 14(3): 214-20. | Spain | 2004 |
| Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunaratne LDA. Prevalence of skin diseases in suburban Sri Lanka. Ceylon Med J. 2000; 45(3): 123-8. | Sri Lanka | 2000 |
| Gibbs, S. Skin disease and socioeconomic conditions in rural Africa: Tanzania. Int J Dermatol. 1996; 35(9): 633-9. | Tanzania | 1996 |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey 1995. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 1995-2001 |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey 1994. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States | 1994-2001 |
| Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey | United States | 2002-2006 |
| Reference                                                                 | Country       | Year(s)       |
|--------------------------------------------------------------------------|---------------|---------------|
| 2002. Hyattsville, United States: National Center for Health Statistics   | United States | 2002-2010     |
| (NCHS), Centers for Disease Control and Prevention (CDC).                |               |               |
| Constella Group, National Center for Health Statistics (NCHS), Centers   | United States | 2007-2010     |
| for Disease Control and Prevention (CDC), US Census Bureau. United        |               |               |
| States National Hospital Ambulatory Medical Care Survey 2002. Hyattsville,|               |               |
| United States: National Center for Health Statistics (NCHS), Centers for |               |               |
| Disease Control and Prevention (CDC).                                    |               |               |
| National Center for Health Statistics (NCHS), Centers for Disease        | United States |               |
| Control and Prevention (CDC), SRA International, Inc., US Census Bureau. |               | 2007-2010     |
| United States National Hospital Ambulatory Medical Care Survey 2007.     |               |               |
| Hyattsville, United States: National Center for Health Statistics (NCHS),|               |               |
| Centers for Disease Control and Prevention (CDC).                        |               |               |
| Paek SY, Koriakos A, Saxton-Daniels S, Pandya AG. Skin diseases in rural  | Yucatan       | 2009-2010     |
| Yucatan, Mexico. Int J Dermatol. 2012; 51(7): 823-8.                     |               |               |
| Viral skin diseases                                                       | Canada        | 2003-2009     |
| Canadian Institute for Health Information (CIHI). Canada National       |               |               |
| Ambulatory Care Reporting System 2003-2004. Ottawa, Canada: Canadian     |               |               |
| Institute for Health Information (CIHI).                                |               |               |
| Abdel-Hafez K, Abdel-Aty MA, Hofny ERM. Prevalence of skin diseases in   | Egypt         | 1994-1996     |
| rural areas of Assiut Governorate, Upper Egypt. Int J Dermatol. 2003;    |               |               |
| 42(11): 887-92.                                                          |               |               |
| Yamamah GA, Emam HM, Abdelhamid MF, Elsaie ML, Shehata H, Farid T,      | Egypt         | 2008-2009     |
| Kamel MI, Taalat AA. Epidemiologic study of dermatologic disorders among|               |               |
| children in South Sinai, Egypt. Int J Dermatol. 2012; 51(10): 1180-5.    |               |               |
| Dagnew MB, Günther E. Epidemiology of communicable skin diseases in school| Ethiopia      | 1989          |
| children of a rural area in North Ethiopia. Dermatol Monatsschr. 1990;  |               |               |
| 176(176): 219-23.                                                        |               |               |
| Murgia V, Bilcha KD, Shibeshi D. Community dermatology in Debre Markos: | Ethiopia      | 2009          |
| an attempt to define children's dermatological needs in a rural area of   |               |               |
| Ethiopia. Int J Dermatol. 2010; 49(6): 666-71.                           |               |               |
| Woldeamanuel Y, Leekassa R, Chryssanthou E, Menghistu Y, Petrini B.     | Ethiopia      | 2003-2005     |
| Prevalence of tinea capitis in Ethiopian schoolchildren. Mycoses. 2005;  |               |               |
| 48(2): 137-41.                                                          |               |               |
| Woldeamanuel Y, Mengistu Y, Chryssanthou                                 | Ethiopia      | 2001          |
| Author(s) | Title | Journal | Year(s) |
|-----------|-------|---------|---------|
| E, Petrini B. | Dermatophytosis in Tulugudu Island, Ethiopia. | Med Mycol. 2005; 43(1): 79-82. | |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. | Skin diseases among schoolchildren in Ghana, Gabon, and Rwanda. | Int J Dermatol. 2013; 52(5): 589-600. | Gabon 2004, 2005, 2007 |
| Grills N, Grills C, Spelman T, Stoove M, Hellard M, El-Hayek C, Singh R. | Prevalence survey of dermatological conditions in mountainous north India. | Int J Dermatol. 2012; 51(5): 579-87. | India 2010 |
| Grover S, Ranyal RK, Bedi MK. | A cross section of skin diseases in rural Allahabad. | Indian J Dermatol. 2008; 53(4): 179-81. | India 2005 |
| Libu GK, Bina T, Raphael L, Balakrishnan SE, Biju G, Samson JF, Bindu V. | Prevalence and socio-demographic determinants of skin disease among lower primary school children in Calicut, Kerala. | IMAKMJ. 2010; 185-90. | India 2006 |
| Patel JK, Vyas AP, Berman B, Vierra M. | Incidence of childhood dermatosis in India. | Skinmed. 2010; 8(3): 136-42. | India 2000-2002 |
| Lee J, Koh D, Andijani M, Saw SM, Munoz C, Chia SE, Wong ML, Hong CY, Ong CN. | Effluents from a pulp and paper mill: a skin and health survey of children living in upstream and downstream villages. | Occup Environ Med. 2002; 59(6): 373-9. | Indonesia 1999 |
| Niizeki K, Kano O, Kondo Y. | An epidemic study of molluscum contagiosum. Relationship to swimming. | Dermatologica. 1984; 169(4): 197-8. | Japan 1982-1983 |
| Mahé A, Prual A, Konaté M, Bobin P. | Skin diseases of children in Mali: a public health problem. | Trans R Soc Trop Med Hyg. 1995; 89(5): 467-70. | Mali 1993-1994 |
| Hay RJ, Castanon RE, Hernandez HA, Lopez GC, Fuentes LF, Solis SP, Andersson N. | Wastage of family income on skin disease in Mexico. | BMJ. 1994; 309(6958): 848. | Mexico 1993 |
| Walker SL, Shah M, Hubbard VG, Pradhan HM, Ghimire M. | Skin disease is common in rural Nepal: results of a point prevalence study. | Br J Dermatol. 2008; 158(2): 334-8. | Nepal 2006 |
| Koning S, Bruijnzeels MA, van Suijlekom-Smit LW, van der Wouden JC. | Molluscum contagiosum in Dutch general practice. | Br J Gen Pract. 1987-1988 |
| Title                                                                 | Country     | Year(s)       |
|---------------------------------------------------------------------|-------------|---------------|
| Mohammedamin RS, van der Wouden JC, Koning S, van der Linden MW, Schellevis FG, van Suijlekom-Smit LW, Koes BW. Increasing incidence of skin disorders in children? A comparison between 1987 and 2001. | Netherlands | 1987, 2001    |
| Mohammedamin RS, van der Wouden JC, Koning S, van der Linden MW, Schellevis FG, van Suijlekom-Smit LW, Koes BW. Self-reported prevalence of warts in children and GP consultation. | Netherlands | 2001          |
| Van Haalen FM, Bruggink SC, Gussekloo J, Assendelft WJJ, Eekhof JAH. Warts in primary schoolchildren: prevalence and relation with environmental factors. | Netherlands | 2007          |
| Oyedeji O, Okeniyi J, Ogunlesi T, Onayemi O, Oyedeji G, Oyelami O. Parental factors influencing the prevalence of skin infections and infestations among Nigerian primary school pupils. Internet J Dermatol. | Nigeria     | 2003          |
| Dalgard F, Svensson A, Holm JØ, Sundby J. Self-reported skin morbidity in Oslo. Associations with sociodemographic factors among adults in a cross-sectional study. | Norway      | 2000-2001     |
| Gutierrez E, Galarza C, Ramos W, Tello M, Rojas I, Chia H, Ronceros G, Ortega-Loayza A. Prevalence of skin diseases in a rural area of Peruvian Amazonia. | Peru        | 2005          |
| Massa A, Alves R, Amado J, Matos E, Sanches M, Selores M, Santos C, Costa V, Velho G, Oliveira M, Ferreira E, Taveira M, Silva NS, Granado E, Lemos A, Calheiros JM. Prevalência das lesões cutâneas em Freixo de Espada a Cinta. | Portugal    | 1998          |
| Popescu R, Popescu CM, Williams HC, Forsea D. The prevalence of skin conditions in Romanian school children. | Romania     | 1995          |
| Hogewoning A, Amoah A, Bavinck JNB, Boakye D, Yazdanbakhsh M, Adegnika A, De Smedt S, Fonteyne Y, Willemze R, Lavrijsen A. Skin diseases among schoolchildren in Ghana, Gabon, | Rwanda      | 2007          |
| Author(s) | Title | Year | Country | Reference |
|-----------|--------|------|---------|-----------|
| Amin TT, Ali A, Kaliyadan F. | Skin disorders among male primary school children in Al Hassa, Saudi Arabia: prevalence and socio-demographic correlates--a comparison of urban and rural populations. | 2009 | Saudi Arabia | Int J Dermatol. 2013; 52(5): 589-600. |
| Bahamdan K, Mahfouz AA, Tallab T, Badawi IA, al-Amari OM. | Skin diseases among adolescent boys in Abha, Saudi Arabia. | 1996 | Saudi Arabia | Int J Dermatol. 1996; 35(6): 405-7. |
| Perera A, Atukorale DN, Sivayogan S, Ariyaratne VS, Karunaratne LDA. | Prevalence of skin diseases in suburban Sri Lanka. | 2000 | Sri Lanka | Ceylon Med J. 2000; 45(3): 123-8. |
| Chen G-Y, Cheng Y-W, Wang C-Y, Hsu T-J, Hsu MM-L, Yang P-T, Chen W-C. | Prevalence of skin diseases among schoolchildren in Magong, Penghu, Taiwan: a community-based clinical survey. | 2008 | Taiwan | J Formos Med Assoc. 2008; 107(1): 21-9. |
| Yang Y-C, Cheng Y-W, Lai C-S, Chen W. | Prevalence of childhood acne, ephelides, warts, atopic dermatitis, psoriasis, alopecia areata and keloid in Kaohsiung County, Taiwan: a community-based clinical survey. | 2007 | Taiwan | J Eur Acad Dermatol Venereol. 2007; 21(5): 643-9. |
| Gibbs, S. | Skin disease and socioeconomic conditions in rural Africa: Tanzania. | 1996 | Tanzania | Int J Dermatol. 1996; 35(9): 633-9. |
| Henderson CA. | Skin disease in rural Tanzania. | 1996 | Tanzania | Int J Dermatol. 1996; 35(9): 640-2. |
| Komba EV, Mgonda YM. | The spectrum of dermatological disorders among primary school children in Dar es Salaam. | 2010 | Tanzania | BMC Public Health. 2010; 10(1): 765. |
| Pannell RS, Fleming DM, Cross KW. | The incidence of molluscum contagiosum, scabies and lichen planus. | 2005 | United Kingdom | Epidemiol Infect. 2005; 133(6): 985-91. |
| Royal College of General Practitioners. | United Kingdom - England and Wales Weekly Returns Service Annual Report 2005. | 2005 | United Kingdom | Royal College of General Practitioners. |
| Agency for Healthcare Research and Quality. | United States Medical Expenditure Panel Survey 1996-2011. | 2010 | United States | Agency for Healthcare Research and Quality. |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Quality. | United States National Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States 1995-2001 |
| --- | --- | --- |
| Analytical Sciences, Inc., National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States 1995-2001 |
| Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States 2002-2006 |
| Constella Group, National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National Hospital Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States 2002-2006 |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States 2007-2010 |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), SRA International, Inc., US Census Bureau. United States National Hospital Ambulatory Medical Care Survey. Hyattsville, United States: National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC). | United States 2007-2009 |
| National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), US Census Bureau. United States National | United States 1995-2009 |
| Source | Description |
|--------|-------------|
| Ambulatory Medical Care Survey 1995 and United States National Hospital Ambulatory Medical Care Survey. | Paek SY, Koriakos A, Saxton-Daniels S, Pandya AG. Skin diseases in rural Yucatan, Mexico. Int J Dermatol. 2012; 51(7): 823-8. Yucatan 2009-2010 |
| Melanoma AND NMSC | Aich Cancer Center Research Institute. Japan Aichi Cancer Registry Report 2006 Japan 2006 |
| | Ardabil University of Medical Sciences, Digestive Diseases Research Center (Iran), International Agency for Research on Cancer (IARC). Iran - Ardabil Cancer Registry Extracts 1985-2008. Iran 1985-2008 |
| | Association of Nordic Cancer Registries (ANCR). Denmark NORDCAN Cancer Incidence Data Tables, Age-Specific by Countries. Copenhagen, Denmark: Association of Nordic Cancer Registries (ANCR). Denmark |
| | Association of Nordic Cancer Registries (ANCR). Finland NORDCAN Cancer Incidence Data Tables, Age-Specific by Countries. Copenhagen, Denmark: Association of Nordic Cancer Registries (ANCR). Finland |
| | Association of Nordic Cancer Registries (ANCR). Iceland NORDCAN Cancer Incidence Data Tables, Age-Specific by Countries. Copenhagen, Denmark: Association of Nordic Cancer Registries (ANCR). Iceland |
| | Association of Nordic Cancer Registries (ANCR). Norway NORDCAN Cancer Incidence Data Tables, Age-Specific by Countries. Copenhagen, Denmark: Association of Nordic Cancer Registries (ANCR). Norway |
| | Association of Nordic Cancer Registries (ANCR). Sweden NORDCAN Cancer Incidence Data Tables, Age-Specific by Countries. Copenhagen, Denmark: Association of Nordic Cancer Registries (ANCR). Sweden |
| | Australasian Association of Cancer Registries, Australian Institute of Health and Welfare. Australia Cancer Incidence and Mortality Books 2012. Canberra, Australia: Australian Institute of Health and Welfare, 2012. Australia 2012 |
| | Bah E, Parkin DM, Hall AJ, Jack AD, Whittle H. Cancer in the Gambia: 1988-97. Br J Cancer. 2001; 84(9): 1207-14. Gambia 1988-1997 |
| | Banda LT, Parkin DM, Dzamalala CP, Liomba NG. Cancer incidence in Blantyre, Malawi 1994-1998. Trop Med Int Health. 2001; 6(4): 296-304. Malawai 1994-1998 |
| | Bavaria Population-Based Cancer Registry. Germany 2004 |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Registry | Description | Country | Year(s) |
|----------|-------------|---------|---------|
| Germany - Bayern Population-Based Cancer Registry Report 2004. Erlangen, Germany: Bavaria Population-Based Cancer Registry, 2007. | | | |
| Belgian Cancer Registry. Belgium Cancer Registry - Incidence. Brussels, Belgium: Belgian Cancer Registry. | Belgium | | |
| Brooks SE, Hanchard B, Wolff C, Samuels E, Allen J. Age-specific incidence of cancer in Kingston and St. Andrew, Jamaica, 1988-1992. West Indian Med J. 1995; 44(3): 102-5. | Jamaica | 1988-1992 |
| Brooks SE, Wolff C. Age- specific incidence of cancer in Kingston and St. Andrew, Jamaica. Part I: 1978-1982. West Indian Med J. 1991; 40(3): 127-8. | Jamaica | 1978-1982 |
| Bulgarian National Cancer Registry. Bulgaria Cancer Incidence Report 2006. Sofia, Bulgaria: "Avis 24" Ltd, 2008. | Bulgaria | 2006 |
| Canary Islands Population-Based Cancer Registry. Spain - Canary Islands Population-Based Cancer Registry Report 2003-2004. Canarias: Canary Islands Population-Based Cancer Registry. | Canary Islands | 2003-2004 |
| Cancer Association of Namibia, Namibian Cancer Registry. Namibia Cancer Registry Report 2000-2005. Windhoek, Namibia: Cancer Association of Namibia, 2009. | Namibia | 2000-2005 |
| Cancer Control Department, Ministry of Health (Turkey). Turkey Active Cancer Registration System 8 Provinces Incidence 2007. | Turkey | 2007 |
| Cancer Control Department, Ministry of Health (Turkey). Turkey Active Cancer Registration System 9 Provinces Incidence 2008. | Turkey | 2008 |
| Cancer Control Department, Ministry of Health (Turkey). Turkey Cancer Statistics. Ankara, Turkey: Cancer Control Department, Ministry of Health (Turkey). | Turkey | 2002-2005 |
| Cancer Registry of Republic of Slovenia, Institute of Oncology Ljubljana (Slovenia). Slovenia Cancer 2009. Ljubljana, Slovenia: Cancer Registry of Republic of Slovenia, 2013. | Slovenia | 2009 |
| Cancer Registry of Republic of Slovenia. Slovenia Cancer. Ljubljana, Slovenia: Cancer Registry of Republic of Slovenia. | Slovenia | 2007-2008 |
| Cancer Registry of Republic of Slovenia. Slovenia Cancer Incidence 2003. Ljubljana, Slovenia: Cancer Registry of Republic of Slovenia. | Slovenia | 2003-2004, 2006 |
| Casablanca Ministry of Health (Morocco), Faculty of Medicine and Pharmacy of Casablanca | Morocco | 2004 |
| Reference                                                                 | Country          | Period       |
|--------------------------------------------------------------------------|------------------|--------------|
| (Morocco), Ibn Rochd University Hospital (Morocco), Lalla Salma Association to Fight Against Cancer (Morocco), National Institute of Oncology Sidi Mohamed Ben Abdellah Rabat (Morocco). Morocco - Cancer Registry of Greater Casablanca 2004. Rabat, Morocco: Lalla Salma Association to Fight Against Cancer (Morocco), 2007. | Morocco          |              |
| Center for Disease Control and Prevention, Ministry of Health and Medical Education (Iran). Iran National Cancer Registry Report. | Iran             | 2005-2007    |
| Chiang Mai University (Thailand), Chonburi Cancer Center (Thailand), Khon Kaen University (Thailand), Lampang Cancer Center (Thailand), Lopburi Cancer Center (Thailand), Ministry of Education (Thailand), National Cancer Institute (Thailand), Prince of Songkla University (Thailand), Surat Thani Cancer Center (Thailand), Ubon Ratchathani Cancer Center (Thailand), Udon Thani Cancer Center (Thailand). Thailand - Cancer in Thailand Volume V, 2001-2003. Bangkok, Thailand: National Cancer Institute (Thailand), 2010. | Thailand         | 2001-203     |
| Common Cancer Registry of the states of Berlin, Brandenburg, Mecklenburg-Western Pomerania, Saxony-Anhalt and the Free States of Saxony and Thuringia. Germany Common Cancer Registry Incidence and Mortality 2007-2008. Berlin, Germany: Common Cancer Registry of the states of Berlin, Brandenburg, Mecklenburg-Western Pomerania, Saxony-Anhalt and the Free States of Saxony and Thuringia, 2009, 2012. | Germany          | 2005-2008    |
| Czech National Cancer Registry. Czech Republic Cancer Incidence Report 2003. Prague, Czech Republic: Institute of Health Information and Statistics of the Czech Republic. | Czech Republic   | 2003-2004, 2006-2009 |
| Dr. Elizabeth Quamina Cancer Registry, Ministry of Health (Trinidad and Tobago). Trinidad and Tobago Cancer Incidence 1995-2006. | Trinidad and Tobago | 1995-2006   |
| Echimane AK, Ahnoux AA, Adoubi I, Hien S, M'Bra K, D'Horpock A, Diomande M, Anongba D, Mensah-Adoh I, Parkin DM. Cancer Incidence in Abidjan, Ivory Coast 1995-1997. Cancer. 2000; 89(3): 653-63. | Ivory Coast      | 1995-1997    |
| El-Minia Cancer Center, Ministry of Communications and Information Technology | Egypt            | 2009         |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Source                                                                 | Country     | Year Range |
|-----------------------------------------------------------------------|-------------|------------|
| (Egypt), Ministry of Health and Population (Egypt), National Cancer   | Egypt       |            |
| Registry Program of Egypt. Egypt - El-Minia National Cancer Registry  |            |            |
| Report 2009. Cairo, Egypt: National Cancer Registry Program of Egypt.  |            |            |
| 2011.                                                                  |             |            |
| Ferlay J, Parkin DM, Curado MP, Bray F, Edwards B, Shin HR and Forman  |            |            |
| D. Cancer Incidence in Five Continents, Volumes I to IX: IARC Cancer   |            |            |
| Base No. 9 [Internet]. Lyon, France: International Agency for Research  |            |            |
| on Cancer; 2010. Available from: http://ci5.iarc.fr.                  |             |            |
| Forman D, Bray F, Brewster DH, Gombe Mbalawa C, Kohler B, Piñeros M,   |            |            |
| Stelianova-Foucher E, Swaminathan R and Ferlay J, eds (2013). Cancer   |            |            |
| Incidence in Five Continents, Vol. X Summary Database (electronic     |            |            |
| version). Lyon, IARC. http://ci5.iarc.fr.                             |             |            |
| Greek Cancer Registry, Ministry of Health and Welfare (Greece).        | Greece      | 1999-1991  |
| Greece Cancer Morbidity Report 1990-1991. Ministry of Health and       |            |            |
| Welfare (Greece), 1997.                                               |             |            |
| Hamburg Cancer Registry (Germany). Germany - Hamburg Cancer Registry   | Germany     |            |
| Incidence Tables. Hamburg, Germany: Hamburg Cancer Registry (Germany.  |            |            |
| Honorary Commission for the Fight Against Cancer (Uruguay), National   | Uruguay     | 2002-2006  |
| Cancer Registry (Uruguay). Uruguay Cancer Incidence Atlas 2002-2006.  |            |            |
| Montevideo, Uruguay: Honorary Commission for the Fight Against Cancer  |            |            |
| (Uruguay), 2010.                                                     |             |            |
| Israel National Cancer Registry. Israel Cancer Incidence Tables 2008.  | Israel      | 2008       |
| Israel National Cancer Registry. Israel Cancer Incidence Tables.      | Israel      | 2009-2010  |
| Jerusalem, Israel: Ministry of Health (Israel).                       |            |            |
| Italian Association of Cancer Registries (AIRTUM). Italy ITACAN        | Italy       |            |
| Cancer Incidence Tables, AIRTUM Age-Specific Rates. Italy: Italian     |            |            |
| Association of Cancer Registries (AIRTUM).                            |            |            |
| Izmir Cancer Registry (KIDEM). Turkey - Izmir Cancer Registry Incidence | Turkey      | 2006       |
| 2006.                                                                 |            |            |

© 2017 Karimkhani C et al. JAMA Dermatology.
| Source                                                                 | Country          | Period        |
|----------------------------------------------------------------------|------------------|---------------|
| Jordan Cancer Registry, Middle East Cancer Consortium, National Cancer | Jordan           | 2001-2008     |
| Institute (United States). Jordan Cancer Incidence Report. Amman,     |                  |               |
| Jordan: Ministry of Health (Jordan).                                  |                  |               |
| Kenya Medical Research Institute (KEMRI). Kenya - Nairobi Cancer      | Kenya            | 2000-2002     |
| Incidence Report 2000-2002. Kenya Medical Research Institute (KEMRI),|                  |               |
| 2006.                                                               |                  |               |
| Korea Central Cancer Registry, Ministry of Health and Welfare (South | South Korea      | 2010, 2012    |
| Korea), National Cancer Center (South Korea). Annual Report of Cancer |                  |               |
| Statistics in Korea in 2010, 2012.                                    |                  |               |
| Korea Central Cancer Registry, Ministry of Health and Welfare (South | South Korea      | 2008         |
| Korea). Annual Report of Cancer Statistics in Korea in 2008. Goyang-|                  |               |
| si, South Korea: National Cancer Center (South Korea), 2010.         |                  |               |
| Korea Central Cancer Registry, Ministry of Health and Welfare (South | South Korea      |              |
| Korea). KOSIS Database - Incidence of 61 Cancers by Sex and 5-Year    |                  |               |
| Age Groups - Korean Statistical Information Service. Seoul, South     |                  |               |
| Korea: Statistics Korea (South Korea).                               |                  |               |
| Koulibaly M, Kabba IS, Cissé A, Diallo SB, Diallo MB, Keita N, Camara | Guinea           | 1992-1995     |
| ND, Diallo MS, Sylla BS, Parkin DM. Cancer incidence in Conakry,     |                  |               |
| Guinea: first results from the Cancer Registry 1992-1995. Int J       |                  |               |
| Cancer. 1997; 70(1): 39-45.                                          |                  |               |
| Lithuanian Cancer Registry. Lithuania Cancer Incidence - Females     | Lithuania        | 2003         |
| 2003.                                                                |                  |               |
| Lithuanian Cancer Registry. Lithuania Cancer Incidence - Males 2003.  | Lithuania        | 2003         |
| Lithuanian Cancer Registry. Lithuania Cancer Incidence. Vilnius,     | Lithuania        | 2010-2011    |
| Lithuania: Institute of Oncology, Vilnius University (Lithuania).     |                  |               |
| Malta National Cancer Registry. Malta Cancer Incidence and Mortality  | Malta            | 1999-2010     |
| 1999-2010. Valletta, Malta: Department of Health Information and     |                  |               |
| Information Research, Ministry for Health (Malta), 2012.              |                  |               |
| Ministry of Health (Chile). Chile First Report of Population Cancer   | Chile            | 2003-2007     |
| Registries 2003-2007. Santiago, Chile: Ministry of Health (Chile),   |                  |               |
| 2012.                                                                |                  |               |
| Ministry of Health (New Zealand), New Zealand Cancer Registry. New    | New Zealand      | 2003-2004,    |
| Zealand Cancer: New Registrations and Deaths 2003. Wellington, New   |                  | 2006-2007     |
| Zealand: Ministry of Health (New Zealand), 2007, 2010.               |                  |               |
| Ministry of Health (Oman), Oman National Cancer                       | Oman             | 2007         |

© 2017 Karimkhani C et al. *JAMA Dermatology.*
| Registry. Cancer Incidence in Oman 2007. Muscat, Oman: Ministry of Health (Oman). | Oman | 2002-2006, 2008 |
|-----------------------------|--------|-----------------|
| Ministry of Health (Oman), Oman National Cancer Registry. Oman - Cancer Incidence in Oman 2002. Muscat, Oman: Ministry of Health (Oman). | Oman | 2010-2011 |
| Ministry of Health (Palestine). Palestine Health Status Annual Report. Nablus, Palestine: Ministry of Health (Palestine), 2011, 2012. | Palestine | 2004-2005 |
| Ministry of Health and Medical Education (Iran). Iran National Cancer Registry Report 2004-2005. | Iran | 2008-2009 |
| Ministry of Health and Population (Egypt), National Cancer Registry Program of Egypt. Egypt - Aswan National Cancer Registry Report. Cairo, Egypt: National Cancer Registry Program of Egypt, 2010, 2011. | Egypt | 2000-2006 |
| Ministry of Health, Population and Hospital Reform (Algeria), University Hospital of Batna. Algeria - Batna Cancer Registy Report 2000-2006. Batna, Algeria: University Hospital of Batna. | Algeria | 2005-2007 |
| Ministry of Public Health (Lebanon). Lebanon National Cancer Registry Tables. Beirut, Lebanon: Ministry of Public Health (Lebanon). | Lebanon | 2003 |
| Modena Cancer Registry (Italy). Italy - Modena Cancer Registry Report 2003. | Italy | 2001-2005 |
| National Cancer Control Programme, Ministry of Health (Sri Lanka). Sri Lanka - Cancer Incidence Data: Sri Lanka Year 2001-2005. Colombo, Sri Lanka: National Cancer Control Programme, Ministry of Health (Sri Lanka), 2009. | Sri Lanka | 2000-2006 |
| National Cancer Registry (Hungary). Hungary National Cancer Registry - Incidence. | Hungary | 2001-2011 |
| National Cancer Registry (Poland). Poland National Cancer Registry Incidence Tables by Site and Age Groups. Warsaw, Poland: Ministry of Health (Poland). | Poland | 1994-2003 |
| National Cancer Registry (Saudi Arabia). Saudi Arabia Cancer Incidence Report. Riyadh, Saudi Arabia: National Cancer Registry (Saudi Arabia). | Saudi Arabia | 2003-2005 |
| National Cancer Registry (South Africa). Cancer in South Africa Full Report. Johannesburg, South Africa: National Institute for Occupational Health (South Africa). | South Africa | 2005-2007 |
| National Cancer Registry Ireland. Ireland National Cancer Registry - Incidence. Cork, Ireland: National Cancer Registry Ireland. | Ireland | 2005-2007 |
| National Cancer Registry Programme (India). India | India | 2005-2007 |
| Source                                                                 | Location                                      | Specific Report                                      | Year(s)          |
|-----------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------|------------------|
| - North East Population Based Cancer Registries Report 2005-2006.    | New Delhi, India: Indian Council of Medical   |                                                    | 2006             |
|                                                                        | Research (ICMR), 2008.                        |                                                    |                  |
| National Cancer Registry Programme (India). India Consolidated Report  | India                                         |                                                    | 20042005         |
| of Population Based Cancer Registries 2004-2005. New Delhi, India:   |                                               |                                                    |                  |
| Indian Council of Medical Research (ICMR), 2008.                     |                                               |                                                    |                  |
| National Cancer Registry Programme (India). India Population Based    | India                                         |                                                    | 2009-2011        |
| Cancer Registries 2009-2011. New Delhi, India: Indian Council of    |                                               |                                                    |                  |
| Medical Research (ICMR), 2013.                                        |                                               |                                                    |                  |
| National Cancer Registry Programme (India). India Three-Year Report   | India                                         |                                                    | 2006-2008        |
| of Population Based Cancer Registries 2006-2008. New Delhi, India:   |                                               |                                                    |                  |
| Indian Council of Medical Research (ICMR), 2010.                     |                                               |                                                    |                  |
| National Cancer Registry, Ministry of Health (Malaysia). Malaysia     | Malaysia                                      |                                                    | 2003             |
| - Second Report of the National Cancer Registry: Cancer Incidence in   |                                               |                                                    |                  |
| Malaysia 2003. Kuala Lumpur, Malaysia: National Cancer Registry,     |                                               |                                                    |                  |
| Ministry of Health (Malaysia), 2004.                                  |                                               |                                                    |                  |
| National Central Cancer Registry (China). China Cancer Registry       | China                                         |                                                    | 1990-2009        |
| Incidence and Mortality 1990-2009.                                    |                                               |                                                    |                  |
| National Institute for Health Development (Estonia). Estonia New     | Estonia                                       |                                                    |                  |
| Cases of Malignant Neoplasms by Specified Site, Gender, and Age      |                                               |                                                    |                  |
| Group - Health Statistics and Health Research Database.              |                                               |                                                    |                  |
| National Registry of Diseases Office (NRDO), Ministry of Health      | Singapore                                     |                                                    | 2004-2008        |
| (Singapore). Singapore Cancer Registry Incidence 2004-2008. Singapore,|                                               |                                                    |                  |
| Singapore: National Registry of Diseases Office (NRDO), Ministry of  |                                               |                                                    |                  |
| Health (Singapore).                                                   |                                               |                                                    |                  |
| Netherlands Cancer Registry. Netherlands Cancer Registry Statistics - | Netherlands                                    |                                                    | 1989-2012        |
| Incidence 1989-2012. Amsterdam, Netherlands: Comprehensive Cancer     |                                               |                                                    |                  |
| Center of the Netherlands (IKNL).                                    |                                               |                                                    |                  |
| New Brunswick Cancer Network, Department of Health. Canada - New     | Canada                                        |                                                    | 2002-2006        |
| Brunswick Cancer Registry Report 2002-2006. Fredericton, Canada:     |                                               |                                                    |                  |
| New Brunswick Cancer Network, Department of Health, 2010.             |                                               |                                                    |                  |
| Oran Cancer Registry (Algeria). Algeria - Oran Cancer Registry Report | Algeria                                       |                                                    | 2005-2006        |
| 2005. Oran, Algeria: Oran Cancer Registry (Algeria), 2006, 2007.     |                                               |                                                    |                  |

© 2017 Karimkhani C et al. JAMA Dermatology.
Paksoy N, Bouchardy C, Parkin DM. Cancer incidence in Western Samoa. Int J Epidemiol. 1991; 20(3): 634-41.

Parkin DM, International Agency for Research on Cancer, International Association of Cancer Registries. Cancer Incidence in Five Continents. Vol. I to VIII. Lyon, France, IARC Press, 2005.

PROMEC Unit, South African Medical Research Council. South Africa PROMEC Cancer Registry Incidence 1998-2002.

Rheinland-Pfalz Cancer Registry (Germany). Germany - Rheinland-Pfalz Cancer Incidence and Mortality 2003. Mainz, Germany: Rheinland-Pfalz Cancer Registry (Germany), 2006.

Saarland Cancer Registry (Germany). Germany - Saarland 40 Years of the Epidemiological Cancer Registry 2007. Saarbrücken, Germany: Saarland Ministry of Justice, 2007.

Sadjadi A, Malekzadeh R, Derakhshan MH, Sepehr A, Nouraie M, Sotoudeh M, Yazdanbod A, Shokoohi B, Mashayekhi A, Arshi S, Majidpour A, Babaei M, Mosavi A, Mohagheghi MMA, Alimohammadian M. Cancer Occurrence in Ardabil: Results of a Population-Based Cancer Registry from Iran. Int J Cancer. 2003; 107: 113–118.

Sandagdorj T, Sanjaajamts E, Tudev U, Oyunchimeg D, Ochir C, Roder D. Cancer Incidence and Mortality in Mongolia - National Registry Data. Asian Pac J Cancer Prev. 2010; 11(6): 1509-14.

Saskatchewan Cancer Agency. Canada - Saskatchewan Cancer Control Report, Profiling Cancer Prevalence 1984-2003. Regina, Canada: Saskatchewan Cancer Agency, 2008.

Saudi Cancer Registry. Saudi Arabia Cancer Incidence Report 2004. Riyadh, Saudi Arabia: Saudi Cancer Registry.

Semnani S, Sadjadi A, Fahimi S, Nouraie M, Naeimi M, Kabir J, Fakheri H, Saadatnia H, Ghavamnasiri MR, Malekzadeh R. Declining incidence of esophageal cancer in the Turkmen Plain, eastern part of the Caspian Littoral of Iran: A retrospective cancer surveillance. Cancer Detect Prev. 2006; 30: 14-19.

Shamseddine A, Sibai A-M, Gehchan N, Rahal B, Lebanon 1998-2005

© 2017 Karimkhani C et al. JAMA Dermatology.
| Source | Incidence/Mortality | Time Period |
|--------|---------------------|-------------|
| El-Saghir N, Ghosn M, Aftimos G, Chamsuddine N, Seoud M, Lebanese Cancer Epidemiology Group. Cancer Incidence in Postwar Lebanon: Findings from the First National Population-based Registry, 1998. Ann Epidemiol. 2004; 14(9): 663-8. |  |  |
| Sondrio Cancer Registry. Italy - Sondrio Cancer Registry Incidence, Mortality, and Survival 1998-2007. | Italy | 1998-2007 |
| Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) Research Data (1973-2008), National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2011, based on the November 2010 submission. | United States | 1973-2008 |
| Taiwan Cancer Registry. Taiwan Cancer Registry Incidence and Mortality 1980-2007. | Taiwan | 1980-2007 |
| Ukrainian National Cancer Registry. Cancer in Ukraine. Kiev, Ukraine: Ukrainian National Cancer Registry. | Ukraine | 2000-2011 |
| United Kingdom Cancer Information Service (UKCIS). United Kingdom - England Cancer Incidence Data 1990-2010. | United Kingdom | 1990-2010 |
| Welsh Cancer Intelligence and Surveillance Unit. United Kingdom - Wales Cancer Incidence Report 2002-2006. Cardiff, Wales: Welsh Cancer Intelligence and Surveillance Unit, 2008. | United Kingdom | 2002-2011 |
| Zimbabwe National Cancer Registry. Zimbabwe National Cancer Registry Annual Report 2005. Harare, Zimbabwe: Zimbabwe National Cancer Registry. | Zimbabwe | 2005-2006 |