

PSORIASIS

GLOBAL, REGIONAL, AND NATIONAL BURDEN OF PSORIATIC DISEASE ESTIMATES FROM THE GLOBAL BURDEN OF DISEASE 2016 STUDY

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Background: The last quarter century witnessed significant population growth, aging, epidemiologic changes.

Objective: To investigate the distribution and change in burden of psoriatic disease from the Global Burden of Disease Study 2016 (GBD 2016).

Materials and Methods: Based on GBD 2016, decomposition analyses were performed according to gender, age, sociodemographic index (SDI), geography. The number and age standardized rate of incidence, prevalence and disability adjusted life years (DALYs) with 95% uncertainty intervals (UI) were calculated.

Results: In 2016, female patients have a slightly higher all-age number of incidence (2.10%) prevalence (3.81%) and DALYs (2.78%) than male patients. Among 20 age groups, age 25-29, 30-34, 25-29 group has highest all-age number of incidence, prevalence, DALYs, respectively. The highest all-age number and age-standardized rate of incidence, prevalence, and DALYs, were middle SDI region and high SDI region in 5 SDI region, South Asia and Western Europe in 21 GBD regions, China and Norway in 195 countries and territories, respectively. Globally, 1990-2016, the all-age number of incidence, prevalence, DALYs markedly increased by 66.0%, 70.6%, 69.9% to 8,169,975 (95%UI 7,860,855-8,478,432), 65,134,951(95%UI 62,708,355-67,811,694), 5, 643,427 (95%UI 4,039,734-7,377,162). The age standardized rate of incidence, prevalence, DALYs slightly increased by 11.21%, 9.48%, 9.80% to 110.36(95%UI 106.16-114.45), 885.70(853.63-921.73), 76.56(54.91-100.05). The greatest increase in all-age number and age-standardized rate of incidence, prevalence, and DALYs were low SDI region and middle SDI region in 5 SDI region, Eastern Sub-Saharan Africa and East Asia in 21 GBD regions, United Arab Emirates and Oman in 195 countries and territories, respectively. The rankings of all-age number and age-standardized rate of DALYs due to psoriatic disease in 309 diseases increased from rank 146th and 142th in 1990 to 123th and 124th in 2016.



Conclusion: The global burden of psoriatic disease is steadily increased and varied substantially by level of development and geography.

