STD-AIDS-2013
OMICS Group Conferences
Accelerating Scientific Discovery
International Conference on
HIV/AIDS, STDs, & STIs
October 24-25, 2013 Orlando, FL, USA

Impact of Socio-Health Factors on Life Expectancy in the Low and Lower Middle Income Countries

Md. Nazrul Islam
University of Rajshahi , Bangladesh

Abstract

Background:

This study is concerned with understanding the impact of demographic changes, socioeconomic inequality, and the availability of health factors on life expectancy (LE) in the low and lower middle income countries.

Data and methods:

The cross-country data were collected from 91 countries from the United Nations agencies. LE is the response variable with demographics (total fertility rate, and adolescent fertility rate), socioeconomic status (mean years of schooling, and gross national income per capita), and health factors (physicians density, and HIV prevalence rate) are as the three main predictors. Stepwise multiple regression model is used to extract the main factors.

Results:

The results identified that the necessity of more healthcare resources and higher levels of socioeconomic advantages are more likely to increase LE. On the other hand, demographic changes and health factors are more likely to increase LE by way of decease fertility rates and disease prevalence.

Conclusion:

The results suggest that international efforts aimed at increasing average LE, especially in poor countries, should focus on eliminating the prevalence of HIV.

Biography

Dr. Md. Nazrul Islam Mondal, an Associate Professor in the Department of Population Science and Human Resource Development, University of Rajshahi, Bangladesh. B.Sc. (Honors) and M.Sc. in Applied Mathematics with Statistics, and Economics; Ph. D in Population Science and Human Resource Development from Rajshahi University, Bangladesh; Post-doctorate from Chiba Institute of Technology, Japan; and Visiting Scientist from University Putra Malaysia, Malaysia. Remarkably, a good number of research articles (40 articles) and a book chapter have already been published in the renowned national and international journals.