

Obesity, Healthcare - Nutrition & Fitness

March 18 - 19, 2019 | New York, USA

SCIENTIFIC TRACKS | DAY 1

JOURNAL OF OBESITY & WEIGHT LOSS THERAPY 2019, VOLUME: 4 | DOI: 10.4172/2165-7904-C2-093

Research on regional equity measurement of government health expenditure in China

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With the rapid growth of total health and medicine expenditure in China, the significant difference in health expenditure among different regions is becoming outstanding. The equity of Chinese government health expenditure (GHE) has been a hot topic in the field of public health care service. The scholars all over the world think that fair medical and health services are very important. Scholars use different methods to measure

the GHE equity, among which the Gini coefficient and Theil index are the most widely used. Based on the research methods of most scholars, the Gini coefficient and Theil index are used to measure the GHE equity in this paper. The results show that the overall GHE tends to be fair from 2005 to 2014. However, from 2015 to 2016, the GHE equity declines slightly. After decomposing the Theil index of national GHE, this paper finds that the intra-regional differences are greater than inter-regional differences, and the intra-regional and inter-regional difference results in the inequity of the national GHE. The contribution rate of increased inequity of intra-region is greater than that of inter-region. This paper

continues to decompose the regional disparities of government health expenditure in China and finds that the GHE equity in eastern, western and central provinces has increased year by year, while it in northeastern provinces has declined, and it in eastern areas has the greatest impact on the equity of national GHE.

Biography

She has been pursuing her PhD degree since 2018 in School of Statistics, Jiangxi University of Finance and Economics. Her interestes mainly include public health economic statistic, public health service equity, public medicine and health care.

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