



Applied Economics >

Volume 38, 2006 - [Issue 13](#)

999 | 43 | 0
Views | CrossRef citations to date | Altmetric

Original Articles

Estimating the efficiency of the system of healthcare financing in achieving better health

S. Grosskopf, S. Self & O. Zaim

Pages 1477-1488 | Published online: 01 Sep 2006

Cite this article <https://doi.org/10.1080/00036840500424798>

Sample our
Economics, Finance,
Business & Industry Journals
**>> Sign in here to start your access
to the latest two volumes for 14 days**

Full Article

Figures & data

References

Citations

Metrics

Reprints & Permissions

Read this article

Share

Abstract

This paper contributes to the effort to model and measure how the method of financing of health expenditure affects the efficiency with which better health can be achieved. The focus is on the health system efficiency at the country level, which provides an alternative to the work done in the WHO in this regard. The approach uses frontier techniques as in the WHO studies; however the paper appeals to the economic index number theory of quantity and productivity indexes, which have well-established axiomatic properties, and provides a means for aggregating multiple health output proxies without having to attach arbitrary weights. This allows the proposal of a specification that embeds health sector performance in a broader index of economic inputs and outputs and allows for comparisons across countries and time.

Notes

¹ GPE disc paper series 29, WHO 2000.

² In a companion working paper by the same authors they take on the broader issue of comparing health across countries.

³ Since our output measures are in 'rate' form, we use health expenditure shares rather than totals to be consistent with our output measures.

Related Research Data

[Why is Health Related to Socioeconomic Status?](#)

Source: Unknown Repository

[The economic theory of index numbers: a survey](#)

Source: Unknown Repository

[The Economic Theory of Index Numbers and the Measurement of Input, Output, and Productivity](#)

Source: Econometrica

[Women's health problems in the Arab World: a holistic policy perspective](#)

Source: International Journal of Gynecology & Obstetrics

[Measuring the efficiency of decision making units](#)

Source: European Journal of Operational Research

[Index numbers and indifference surfaces](#)

Source: Unknown Repository

[How effective is public health expenditure in improving overall health? A cross-country analysis](#)

Related research

[People also read](#)

[Recommended articles](#)

Cited by
43

Information for

Authors
R&D professionals
Editors
Librarians
Societies

Opportunities

Reprints and e-prints
Advertising solutions
Accelerated publication
Corporate access solutions

Open access

Overview
Open journals
Open Select
Dove Medical Press
F1000Research

Help and information

Help and contact
Newsroom
All journals
Books

Keep up to date

Register to receive personalised research and resources
by email

 Sign me up

  

  

Copyright © 2026 Informa UK Limited Privacy policy Cookies Terms & conditions

Accessibility



Registered in England & Wales No. 01072954
5 Howick Place | London | SW1P 1WG