

 REPUBLIKA SLOVENIJA

 STATISTIČNI URAD REPUBLIKE SLOVENIJE  
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# MEASUREMENT OF THE VOLUME OF GENERAL GOVERNMENT EDUCATION AND HEALTH SERVICES, AND RESEARCH AND DEVELOPMENT FOR SLOVENIA

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## Direct output method

- stratification / output is defined and quantity indicators are chosen
- quality adjustment
- weighting
  
- analysis of productivity is possible

# Volume of non-market education services

example: measuring the volume of non-market output of higher education

- output broken down by type of education program, position in the national degree structure and field of study ISCED97 classification (22 fields – annex 1)
- quantity indicator – number of students
- quality adjustment on the basis of quality changes of inputs (teaching staff) and outcomes (advance to next level)
- weighted with costs per student by type of field of study and with value of output by type of education program

## Volume of non-market health services

example: volume of non-market health services to inpatients by general and specialized hospitals – acute inpatient treatment

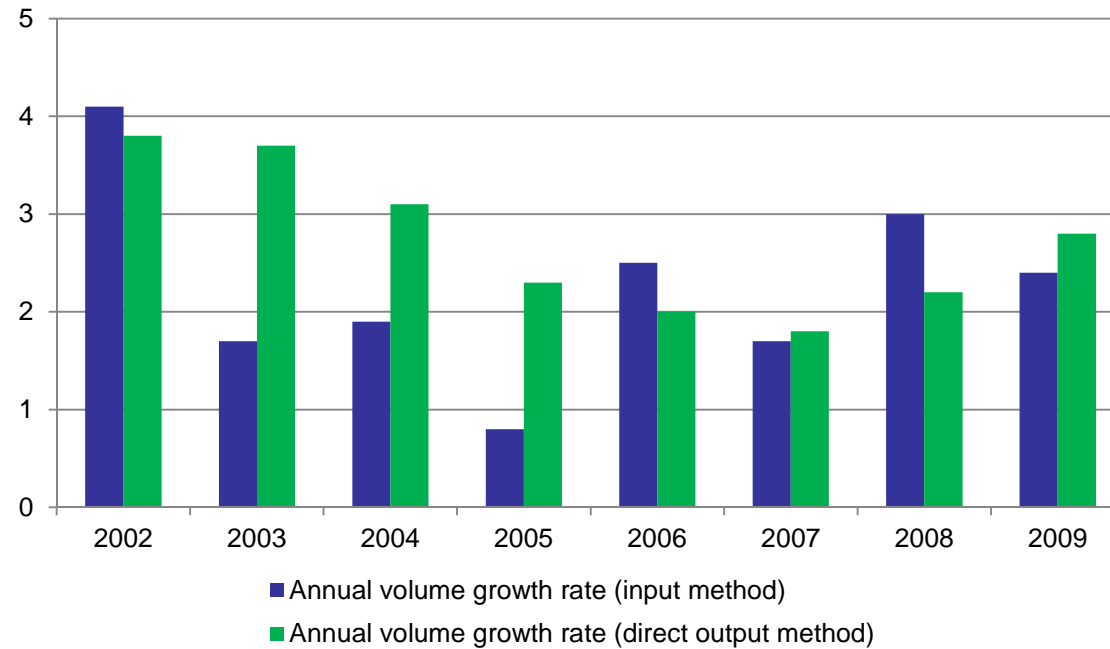
- measured on basis of DRG (Diagnosis Related Groups) system
- quality adjustment on the basis of DRG system
- weighted with data on prices of the health services provided – each group in DRG has its own cost weight

## Input method

- sum of all inputs in production in volume terms
- changes in volume of inputs = changes in volume of output
- analysis of productivity is not possible

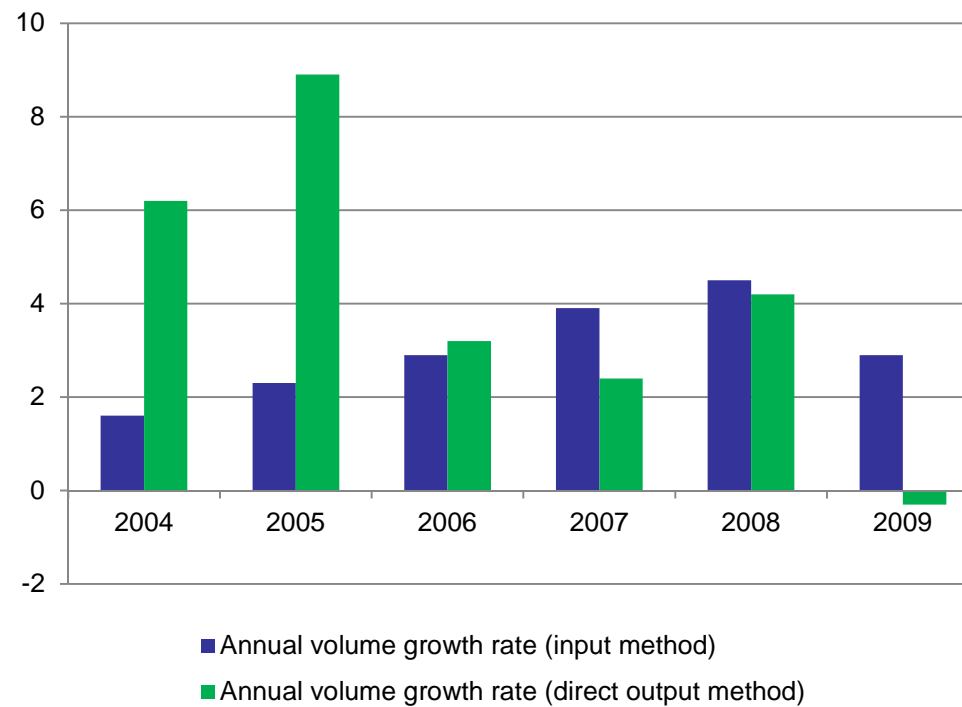
# Education

Annual volume growth rate (%)



# Health

Annual volume growth rate (%)



# Volume of research and development

Input method used for measurement of the volume of market and non-market R&D output

sum of all inputs in production in volume terms:

- intermediate consumption (6 components)
- compensation of employees (broken by sector)
- consumption of fixed capital
- other taxes on production
- subsidies
- net operating surplus
- expenditure on own-account production of software and other adjustments