

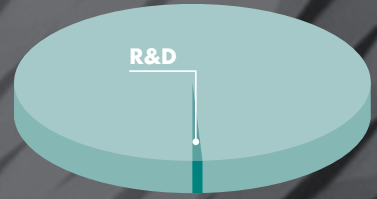
SOUTH AFRICAN NATIONAL SURVEY
OF RESEARCH AND EXPERIMENTAL
DEVELOPMENT



NPO SECTOR
AT A GLANCE
2016/17

FACT SHEET NO. 13

IN THE **2016/17** SURVEY
0.82% OF **GDP**
WAS **SPENT** ON **R&D**



THE SIZE OF
SOUTH AFRICA'S
GDP IN 2016/17



R 4 350.314
BILLION

GROSS EXPENDITURE ON R&D (GERD) GREW FROM

R 16.521 BILLION
IN 2006/07

R 35.693 BILLION
IN 2016/17

NPO R&D
EXPENDITURE
GREW FROM

R 0.213
BILLION
IN 2006/07

R 1.018
BILLION
IN 2016/17

FOREIGN SOURCES ACCOUNTED
FOR **62.9%** OF FUNDING IN
THE NPO SECTOR, THE **LARGEST**
SHARE OVER THE PERIOD OF
2006/07 TO 2016/17



GOVERNMENT
CONTRIBUTED
THE **SECOND**
LARGEST SHARE OF
FUNDING (**14.1%**)

R&D PERSONNEL
IN THE NPO
SECTOR
COMPRISED OF
RESEARCHERS (25.0%)



OTHER PERSONNEL (37.4%)

TECHNICIANS (37.6%)

FROM **2012/13** THERE HAS BEEN
A **SHIFT IN THE PROPORTION** OF
TECHNICIANS AND OTHER PERSONNEL
SPECIALISING IN HEALTH RESEARCH

TOTAL NUMBER OF RESEARCHERS IN NPO SECTOR: 404



NON-SA (8.4%)



AFRICAN (34.2%)



WHITE (40.1%)

COLOURED (5.7%)

INDIAN (11.6%)

IN 2016/17 **11.9%** OF **FEMALE RESEARCHERS** WITHIN THE NPO SECTOR HELD A **PHD**



R&D INVESTMENT IN THE **NATURAL SCIENCES, TECHNOLOGY & ENGINEERING** HAS INCREASED FROM

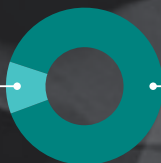


25.4% TO **89.4%**
IN 2006/07 IN 2016/17

THE **LARGEST SHARE** ATTRIBUTED TO R&D INVESTMENT WAS IN THE **MEDICAL & HEALTH SCIENCES** FIELDS IN 2016/17



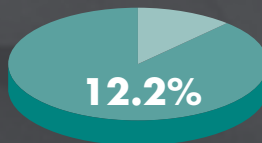
SOCIAL SCIENCES & HUMANITIES (10.6%)



NATURAL SCIENCES, TECHNOLOGY & ENGINEERING (89.4%)

R&D INVESTMENT IN THE AREA OF **TUBERCULOSIS (TB), HIV/AIDS & MALARIA** HAS REMAINED THE **HIGHEST AT**

67.7% FOR 2016/17



OF R&D WAS SPENT ON **BIOTECHNOLOGY** IN 2016/17

BEHIND THE NUMBERS

The annual South African National Survey of Research and Experimental Development is conducted by the Centre for Science, Technology and Innovation Indicators (CeSTII) at the Human Sciences Research Council (HSRC), on behalf of the Department of Science and Technology (DST). R&D statistics are collected in terms of the Statistics Act No. 6 of 1999, and are quality assured by Statistics South Africa.

Data collected through the survey, and its historic data series, helps to inform decision-makers on investment planning, policy making, advocacy, and research in South Africa. Data streams also add to benchmarking and performance comparisons with our international counterparts.

Access previous survey reports:
<http://www.hsrc.ac.za/en/departments/CeSTii/reports-cestii>

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