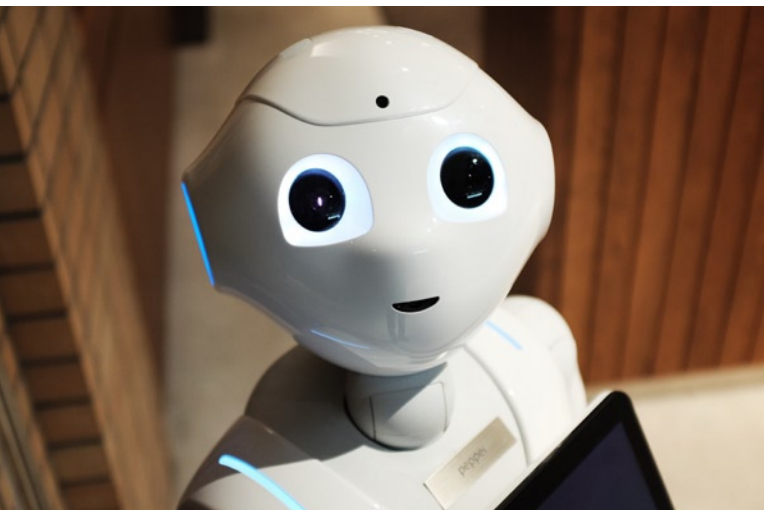




NOT-FOR-PROFIT SECTOR R&D AT A GLANCE

The not-for-profit sector is the smallest economic sector in South Africa but performs R&D critical to the needs of society. Growth in the NPO sector has been stable over the past decade and grew from R163 million in 2010/11 to R1.510 billion in 2019/20. The majority of R&D spend (79.5%) was in the medical and health sciences, particularly infectious diseases with a focus on tuberculosis (TB), HIV/AIDS and malaria. The not-for-profit sector relies heavily on foreign funds, with over 60% of its funds for R&D received from abroad. With more investment from government and other role players, the not-for-profit sector can grow even bigger and help to address the country's health and social challenges.



FACT SHEET NO. 38

THE BIG PICTURE



THE VALUE OF SOUTH AFRICA'S GROSS DOMESTIC PRODUCT (GDP) IN 2019/20



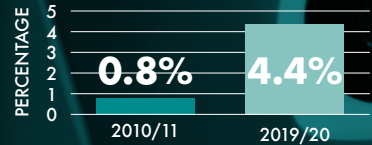
THE SHARE OF GDP SPENT ON R&D



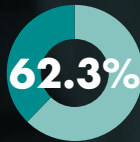
GROSS DOMESTIC EXPENDITURE ON R&D (GERD) INCREASED FROM:



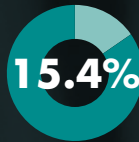
THE NPO SECTOR'S SHARE OF TOTAL R&D SPEND INCREASED FROM:



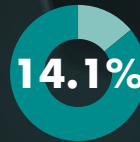
SOURCES OF NPO R&D FUNDING IN 2019/20 WERE:



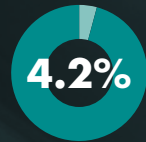
FOREIGN FUNDS



OWN FUNDS



GOVERNMENT FUNDS



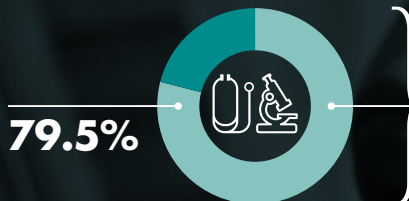
BUSINESS FUNDS

INVESTMENT BY **FOREIGN FUNDERS** IS THE **LARGEST CONTRIBUTOR** TO TOTAL NPO R&D FUNDING **GROWING SIGNIFICANTLY** BETWEEN 2010/11 (32.4%) AND 2019/20 (62.3%)

R&D SPENDING PATTERNS



THE LARGEST SHARE OF NPO R&D INVESTMENT WAS IN THE MEDICAL AND HEALTH SCIENCES



SPECIFICALLY IN TUBERCULOSIS (TB), HIV/AIDS AND MALARIA

76.0%

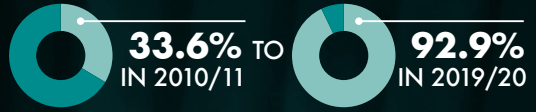


SPENDING IN BIOTECHNOLOGY INCREASED FROM:

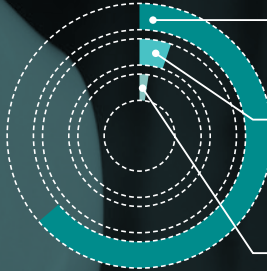


17.6% TO **22.5%**
IN 2018/19 IN 2019/20

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



THE **SECTORS** OF THE SOUTH AFRICAN SOCIETY BENEFITING MOST FROM NPO R&D BY **SOCIO-ECONOMIC OBJECTIVE** INCLUDED:



HEALTH **63.8%**

EDUCATION & TRAINING **5.3%**

SOCIAL DEVELOPMENT & COMMUNITY SERVICES **2.4%**

R&D PERSONNEL



R&D PERSONNEL BY OCCUPATION IN 2019/20



MALE
41.5%



FEMALE
58.5%



MALE
24.4%



FEMALE
75.6%



MALE
28.8%



FEMALE
71.2%

RESEARCHERS
20.0%

TECHNICIANS
46.0%

OTHER PERSONNEL
34.0%

TECHNICIANS IN THE NPO SECTOR INCREASED FROM:

678

IN 2017/18 TO

878

IN 2019/20

WOMEN MADE UP **70.7%** (1 360) OF THE TOTAL R&D WORKFORCE IN NPOs



QUALIFICATIONS OF WOMEN WORKING IN NPO R&D:

- DOCTORATE **59**
- MASTER'S, HONOURS, OR BACHELOR'S DEGREE **405**
- DIPLOMA **896**



BEHIND THE NUMBERS



The annual South African National Survey of Research and Experimental Development (R&D Survey) 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 Innovation (DSI). 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 also adds to benchmarking and performance comparisons with our international counterparts.



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



Data and analysis for this publication was prepared by Natasha Saunders and Nokhetho Mhlanga.



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