

# VitalStats and Data Quality

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## Content



- **Why VitalStats?**
- VitalStats Sections
- The Process
- Data Quality
- Different Quality Sets
- Example & Publication



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## Why VitalStats



- The name refers to the most vital data to the sector as a whole
- Allows own analysis
- Quick Access from your desk – simple, **161** graphs
- Taken from most frequent data requests over 4 to 5 years
- Improved through user/sector comments
- Based on primary performance indicators



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## VitalStats Sections



- Section 1: Student Enrolment and Completion Data
- Section 2: Student Data by Qualification Type
- Section 3: Student Data by Field of Study
- Section 4: Student Data by Institutional Type
- Section 5: Staff Complement
- Section 6: Cohort Study
- Section 7: Financial Data
- Appendices



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## The Process



- Student and Staff data: Sourced from HEMIS
- Period of 6 years (2010-2015)
- Cohort: Outsourced
- Financial Data: Sourced from University Budget reports, other funding reports
- Research Data: HEMIS, RO Reports
- Extraction into tables, then to graphs
- Some instances calculations are needed



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## Data Quality



- BIG Thanks to the Hard-working People behind the scenes
- What is the **quality** of data **output**?
- 3 basic means to **assess** the quality of data
  - What the consumer **learns**?
  - What the consumer **can do**?
  - **Effort** and **time** needed?
- Data quality **cannot be independently** achieved from:
  - **How** the data is **generated**
  - The **contexts** in which data exist



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## Different Quality Sets



- Accessibility Quality
- Transactional Quality
- Contextual Quality
- Representation Quality



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# Example & Publication

- [http://www.che.ac.za/media\\_and\\_publications/monitoring-and-evaluation/vitalstats-public-higher-education-2015](http://www.che.ac.za/media_and_publications/monitoring-and-evaluation/vitalstats-public-higher-education-2015)

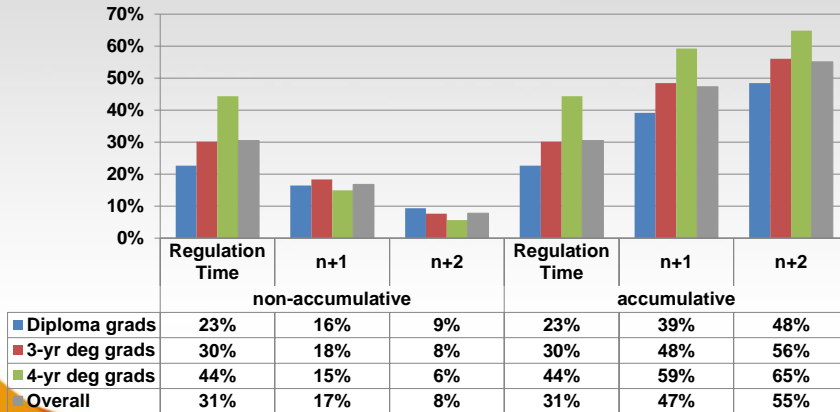


Figure 123: Throughput within regulation time up to n+2 years for 360-credit diplomas, 3-year degrees, 4-year degrees and weighted national rate with first enrolment in 2010 (excluding UNISA)



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# Example 2

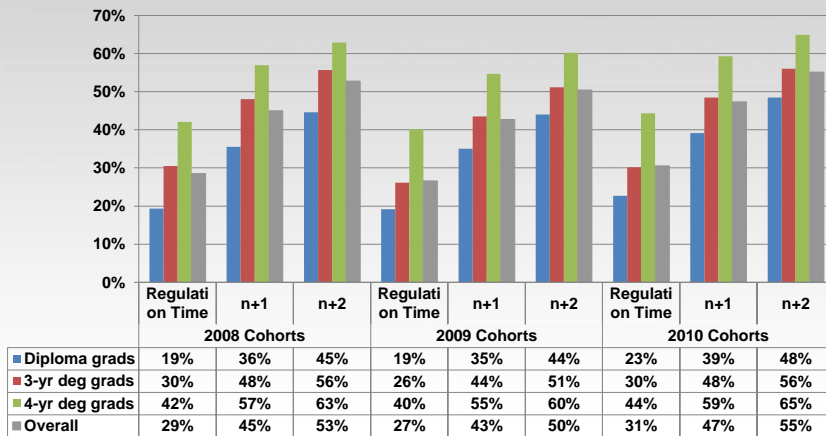


Figure 125: Accumulative throughput comparison of 2008, 2009 and 2010 cohorts finishing within regulation time up to n+2 years for 3-year diplomas, 3-year degrees, 4-year degrees and weighted national rate (excluding UNISA)



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## Example 3

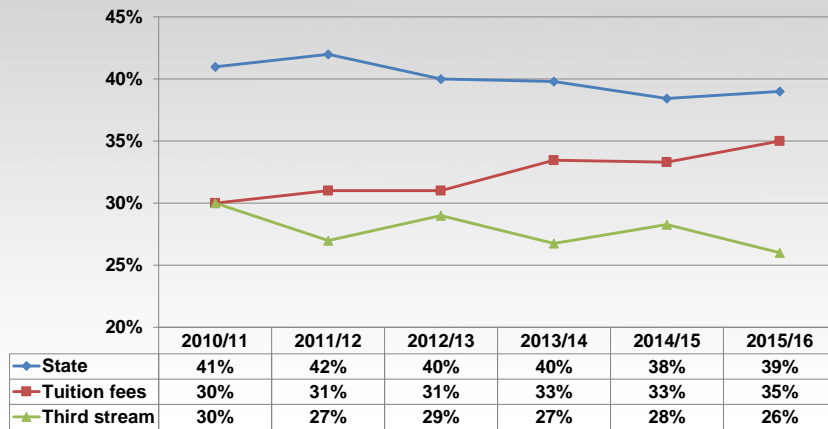


Figure 154: Proportional disaggregation of institutional funding per source from 2010/11 to 2015/16\*



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# Thank you very much!

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