



UNIVERSITY *of the*
WESTERN CAPE

Integrated Data-Driven Interventions for Enhancing Student Success

Prof Sue Pather and Ms Chante Johannes

Siyaphumelela Conference

25 – 28 June 2024





UNIVERSITY *of the*
WESTERN CAPE

Outline



KEY
ACHIEVEMENTS
IN STUDENT
SUCCESS



LESSONS
LEARNT



ADVICE
FOR NEW
GRANTEES



Data-Driven Decision Making:

- Siyaphumelela Steering Committee (SSC) and the Student Success Sub-Committee (SSSC),
- ICAT: Administered and participated in Institutional Capacity Assessment Tool & Capacity café
- DAWG: Data Analytics Working Group- meet bi-weekly
 - Development of comprehensive data landscape that supports learner analytics
 - Development of Learner Analytics Progression, Module Pass Rate, Comprehensive Cohort Analysis
 - Ethical use of Data Policy and Student Guide
 - Data Literacy Courses (Data for Decision – making, Data Driven University, University Data Analytics and Data literacy for Administrative Support)

Interventions:

- Academic Advising, First Year Experience and Mentorship
- Mental Health Support
- Curriculum enhanced support (HPMs)

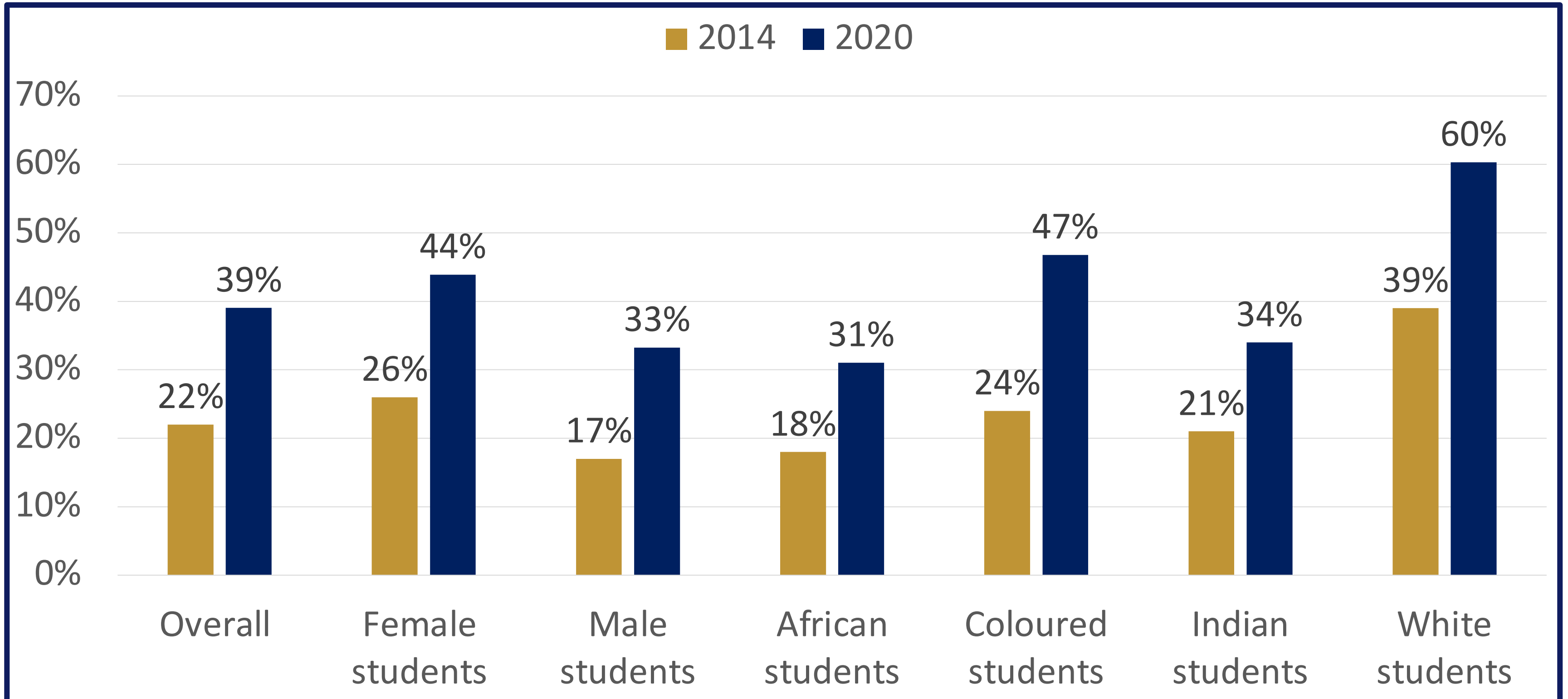
Leveraging Technology:

- Predictive analytics and AI tools like Thermometer and WYSA have enabled us to identify at-risk students early and provide timely support.
- Learner Analytics Progression Tracking as a coherent tracking and referral system to support student success work across various faculties and departments.



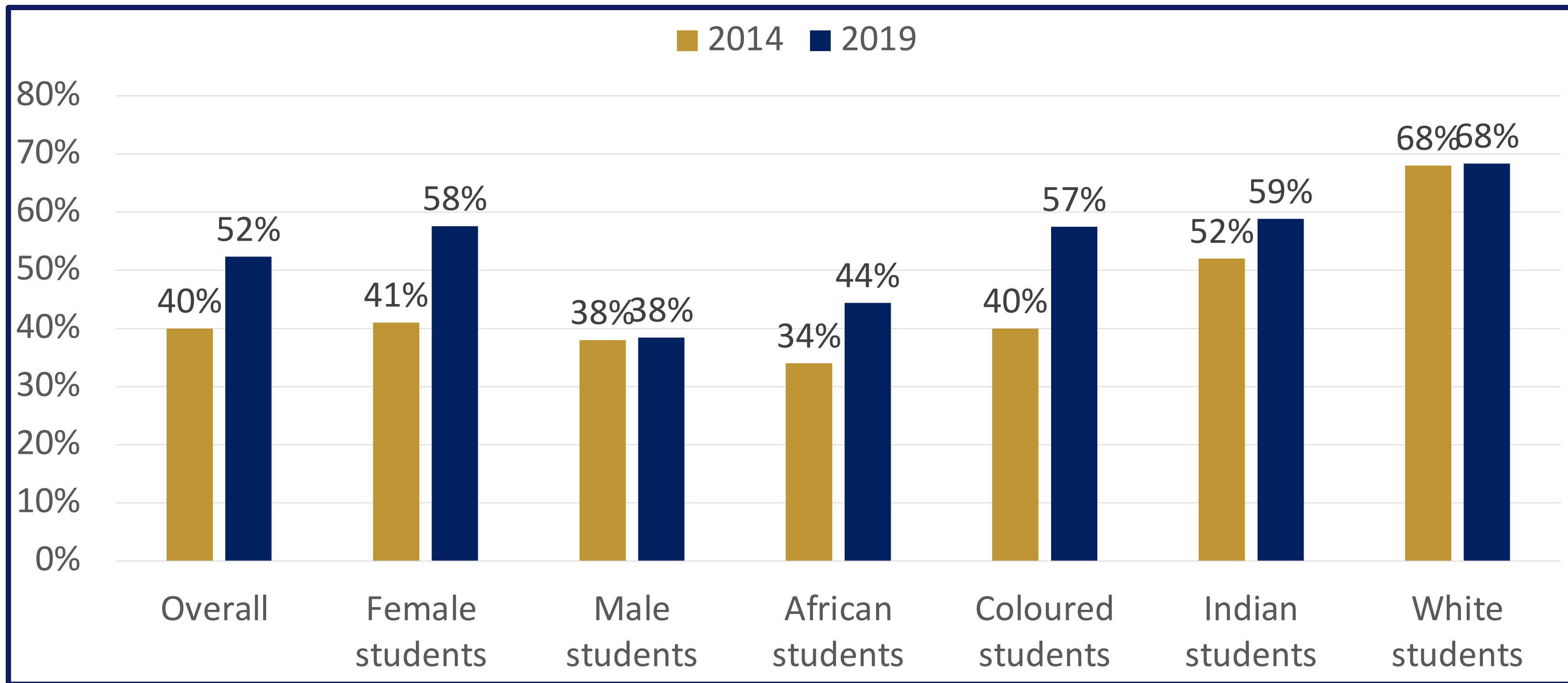


Throughput rates for undergraduate 3-year degrees in minimum time (3 years)





Throughput rates for undergraduate 4-year degrees in minimum time (4 years)





Siyaphumelela 3.0 Project Areas



Improving success rates in Economic and management sciences quantitative literacy gateway modules

- Piloting of Carnegie Math Pathway (CMP) methodology in EMS quantitative literacy & skills modules



Improving success rates in Science high priority service modules

- build capacity for enhanced curriculum planning, staff development and innovative learning and teaching approaches



Developing a coherent tracking and referral system to support student success work

- Establish streamlined referral processes to connect students with appropriate academic and support services.



Addressing disparity in the success rates of male and female undergraduate students

- Understanding the intersection of masculinities and academic success and pilot innovative student engagement opportunities for male





Power of Partnerships:

Collaboration with academic and support services has been vital which included engaging all units and departments to ensure a unified approach to student success.

The establishment of the Steering committee & SSSC – which is a sub-committee of Senate academic planning committee

Leveraging available resources effectively allowed us to balance the depth and reach of our interventions for maximum impact.

Continuous Improvement:

Regular narrative reports and evaluations prompt reflection and continuous improvement.

These practices help in identifying strengths and areas for development.

Challenges and Adaptations:

Integrating various systems and frameworks has been challenging.

However, these experiences have highlighted the importance of flexibility and adaptability in our strategies.





Greatest Lesson Learned

STUDENT VOICE

Student Voices were heard

- SSSC
- DAWG
- Opportunity to attend Siyaphumelela Service workshops (as a student representative)
- Capacity Café workshop (ICAT)



Student Partnership

Student Partnerships were formed in many of Siyaphumelela Initiatives:

- FYE Transition Programme
- Academic Advising
- Mental Wellbeing
- HPMs





Advice For Implementing a Successful Project



Establish Strong Governance Structures:

Formulate steering committees and sub-committees that include broad representatives from all relevant units, faculties, departments and students to ensure broad buy-in and effective coordination.



Prioritise Data Integration:

Develop a unified data landscape that facilitates a holistic approach to data integration that is important for effective early warning systems and targeted interventions.



Engage in Continuous Reflection:

Implement regular reporting and reflective practices to evaluate the impact of interventions and use the insights to make informed adjustments and improvements.



Leverage Technology:

Invest in predictive analytics and AI tools to identify and support at-risk students which can significantly enhance the ability to provide timely and effective interventions.



Foster Collaborative Partnerships:

Engage in partnerships with both academic and support services. Collaboration across different units enhances the overall impact of your student success initiatives.





UNIVERSITY of the
WESTERN CAPE

Thank you! Questions?



supather@uwc.ac.za

