



**WESTERN SYDNEY**  
UNIVERSITY



# TWO SUPPORTS ARE BETTER THAN ONE

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# Unit Specific Workshops

- Run for most first year maths and stats subjects, plus some other units with substantial maths content
- One hour duration, run a week prior to in class assessments or
- Three hour final exam workshops held during Stuvac
- Students work in groups on problem sets supplied by MESH with MESH staff facilitating

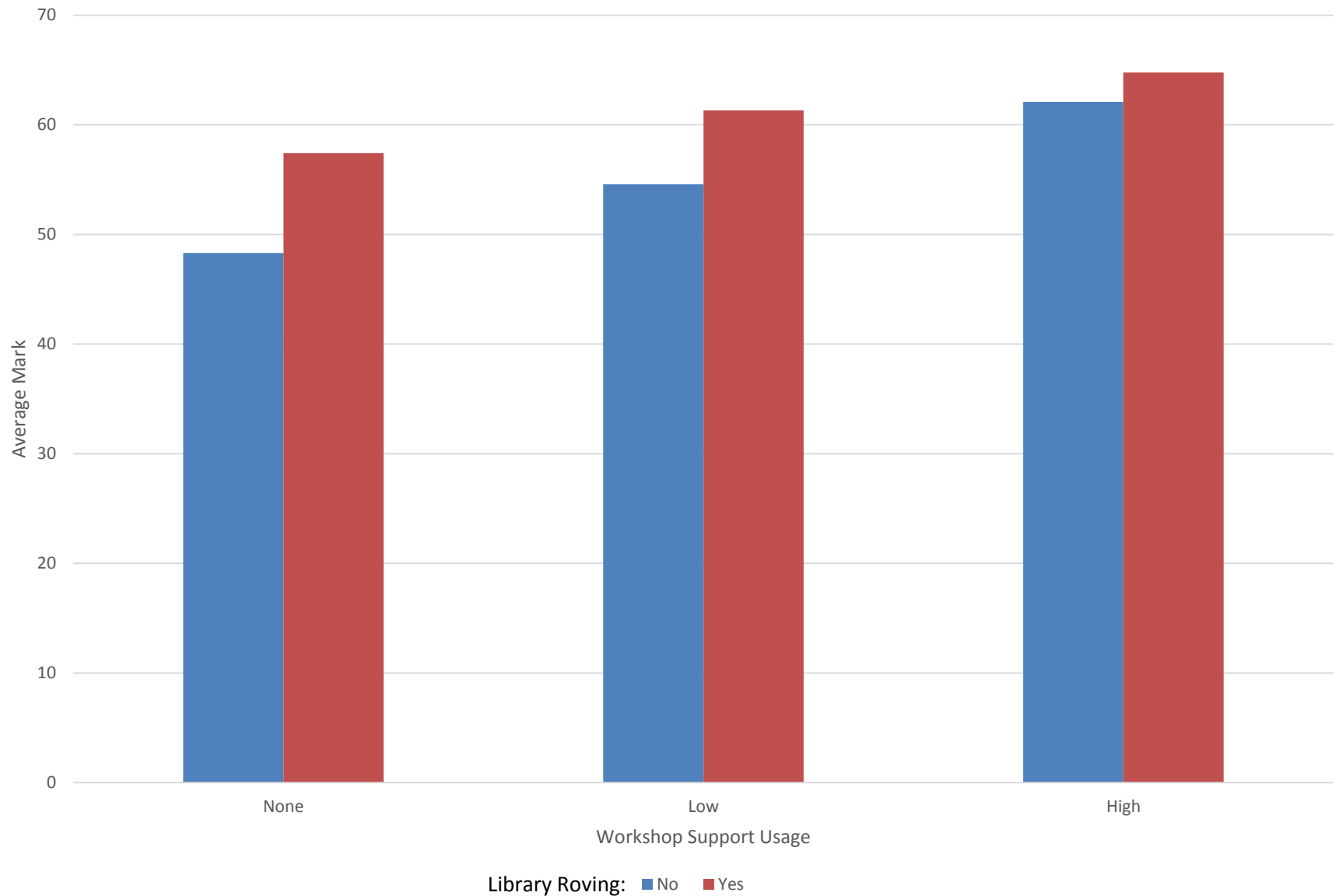
# Library Roving

- Available at six campus libraries to all Western Sydney students
- Drop in service, MESH team members available at advertised times
- Individual students or small groups
- Questions about maths or stats from any undergraduate unit (except assessment items)
- Five to 20+ minute consultations depending on problem and available time

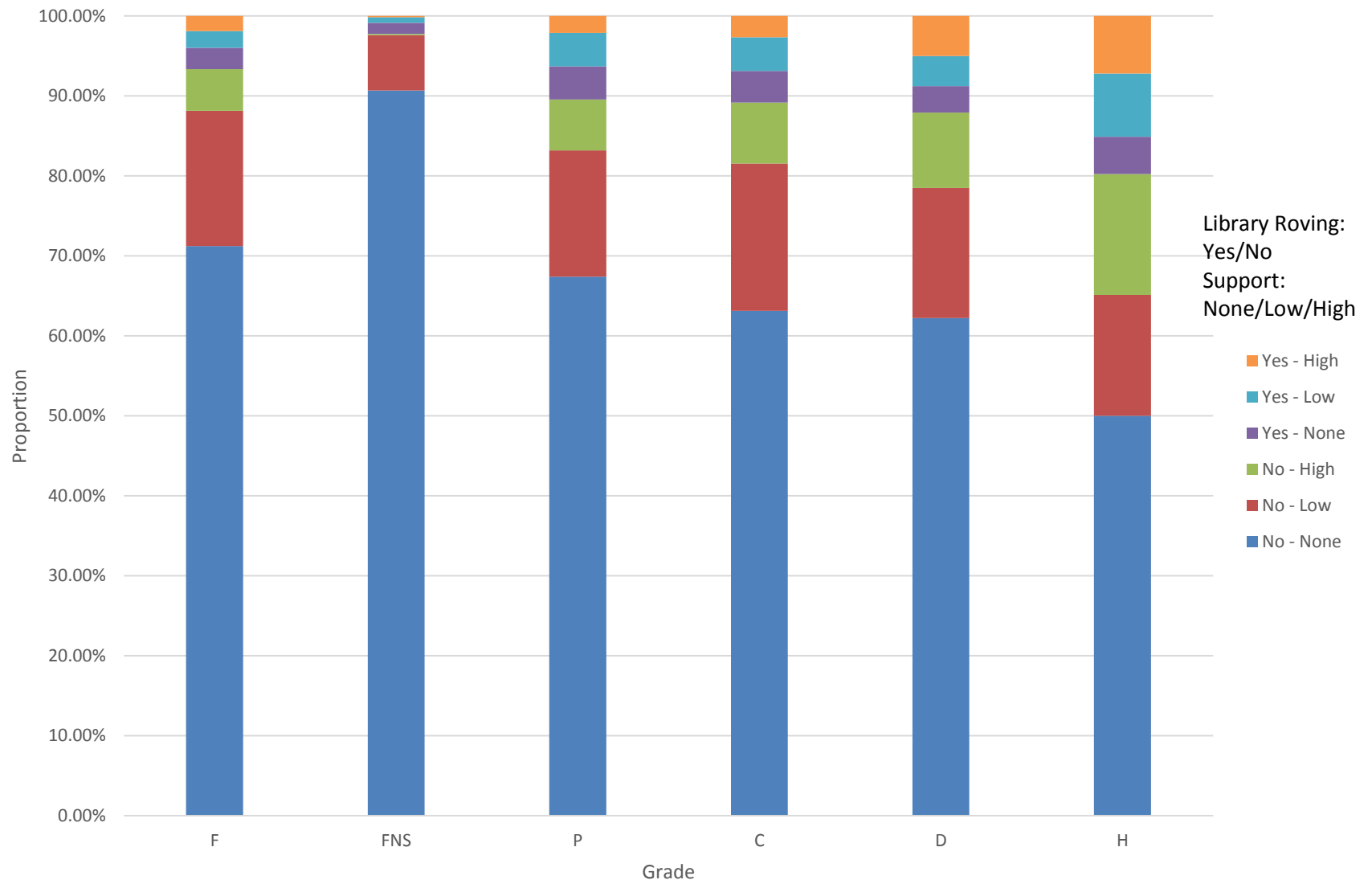
# Student Engagement

	Workshop Engagement			
Library Roving	None	Low	High	Total
No	3369	742	297	4408
Yes	159	161	120	440
Total	3528	903	417	4848

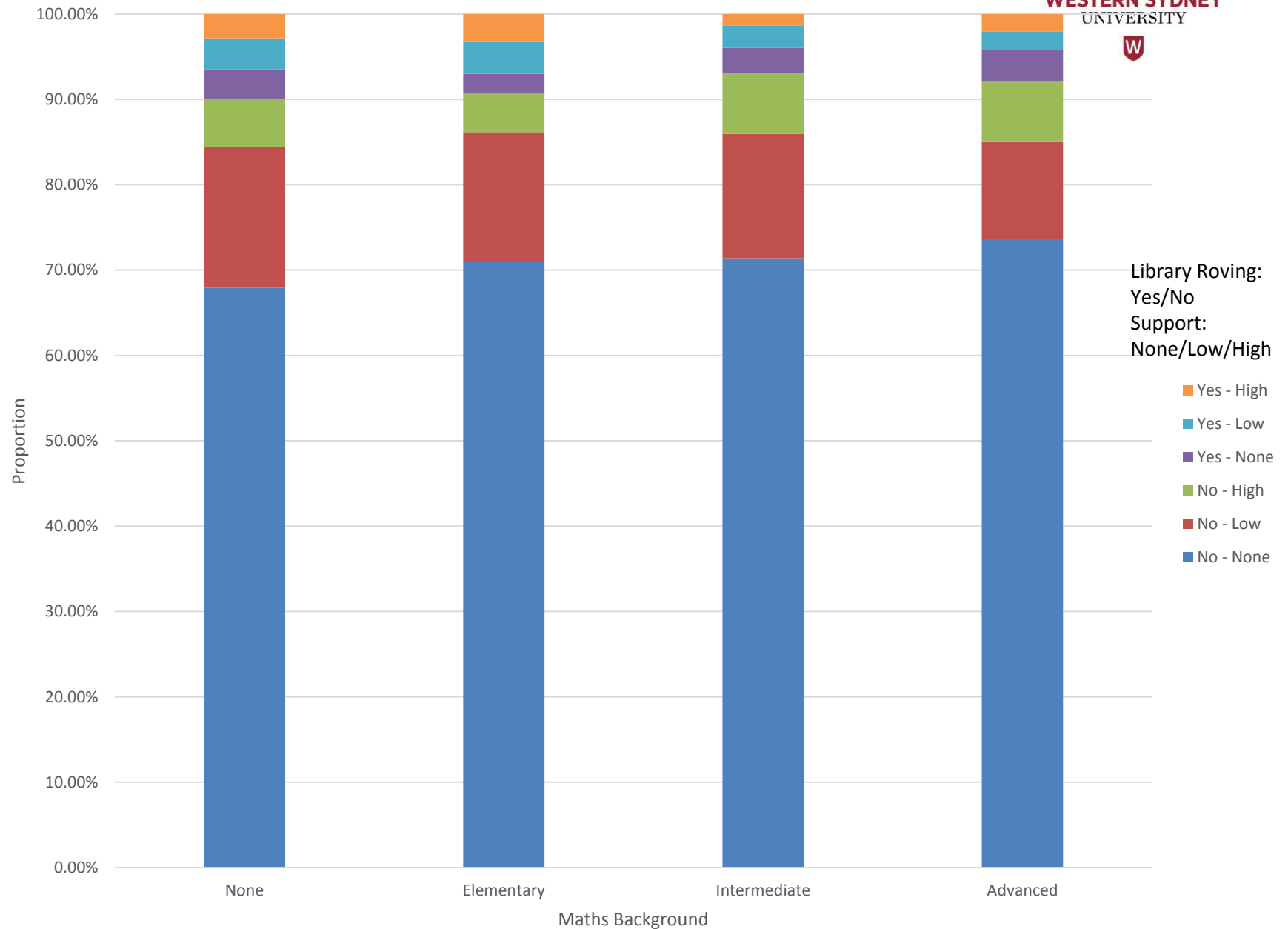
Student Marks by Support Level and Library Roving Usage



Students Utilising Support by Grade

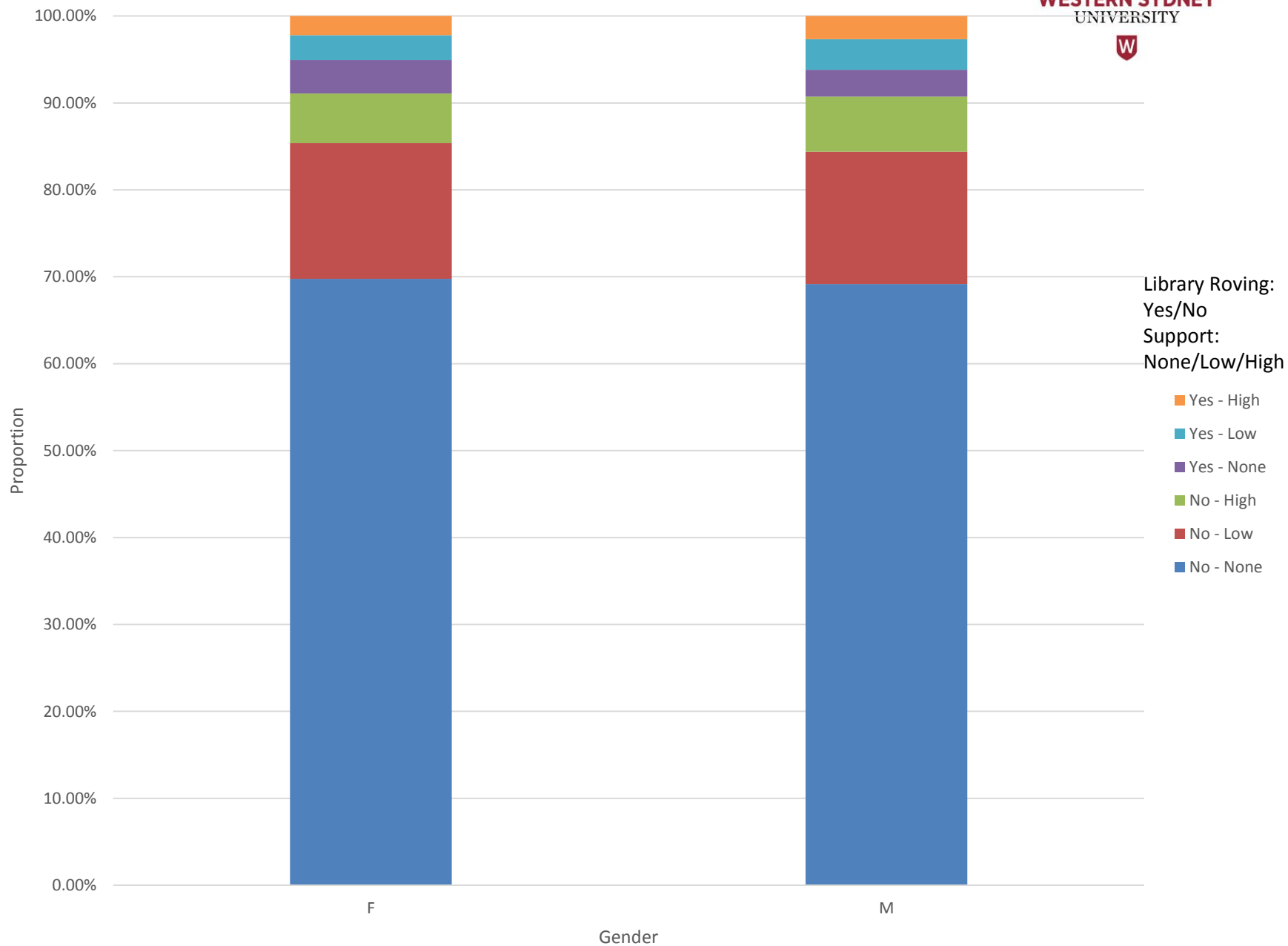


# Students Utilising Support by Maths Background

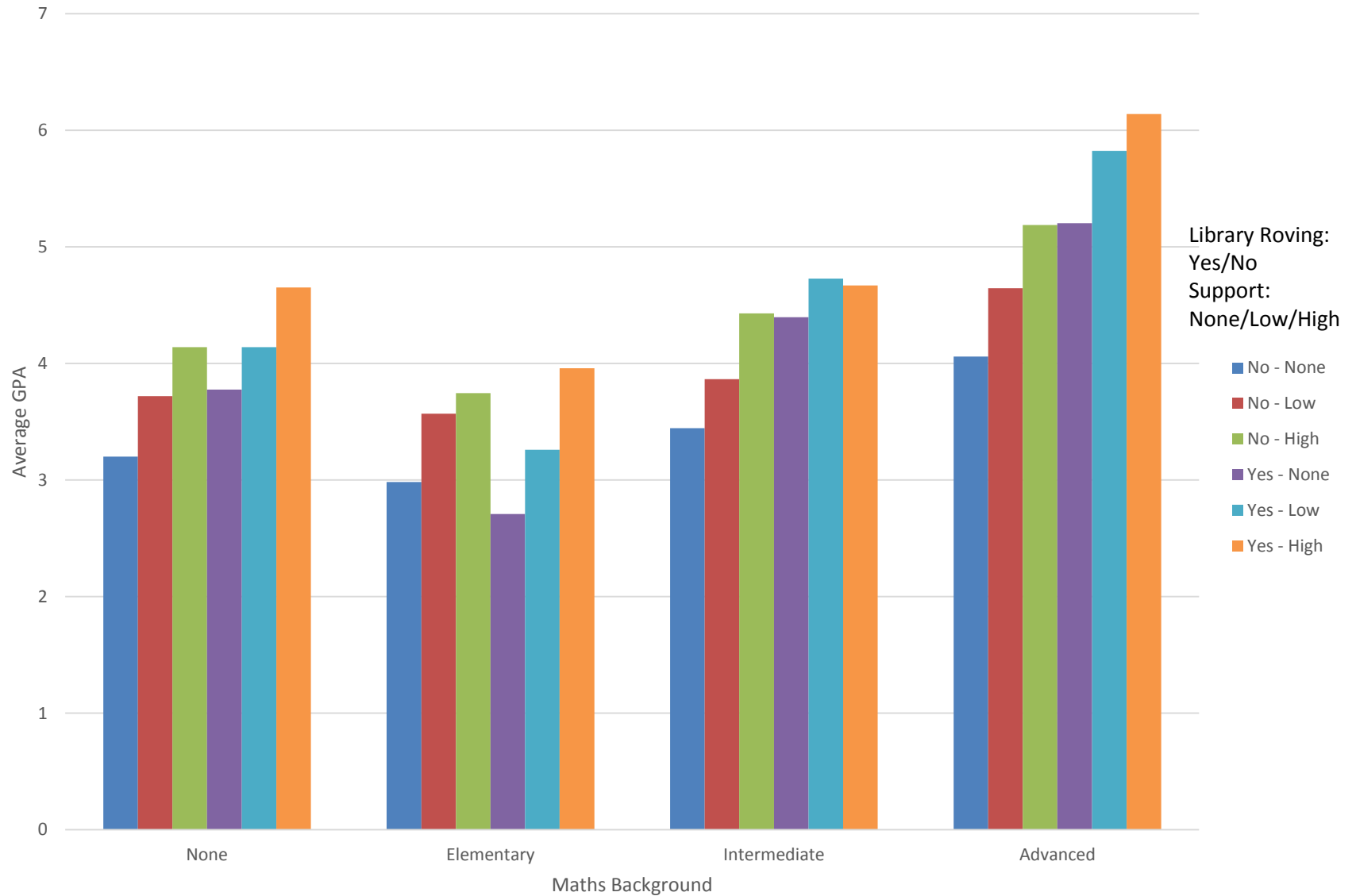




# Students Utilising Support by Gender



Average GPA by Maths Background and Support Utilisation



# Conclusions

- Both support forms provide improvements to student outcomes
- While there is an overlap of uses of each form of support different forms are preferred by different groups
- Additive effect of both forms of support
- Higher achieving students make more use of support than low achieving
- Poorer background students make more use of support than higher background (mathematically)
- Lack of engagement with FNS students warrants further investigation
- Lower achievement by General Maths students (over no senior HS maths) warrants further investigation.