



Performance of off-the-shelf dental flosses has not been tested enough in real life



Most properties are provided by the manufacturer primarily for advertising purposes

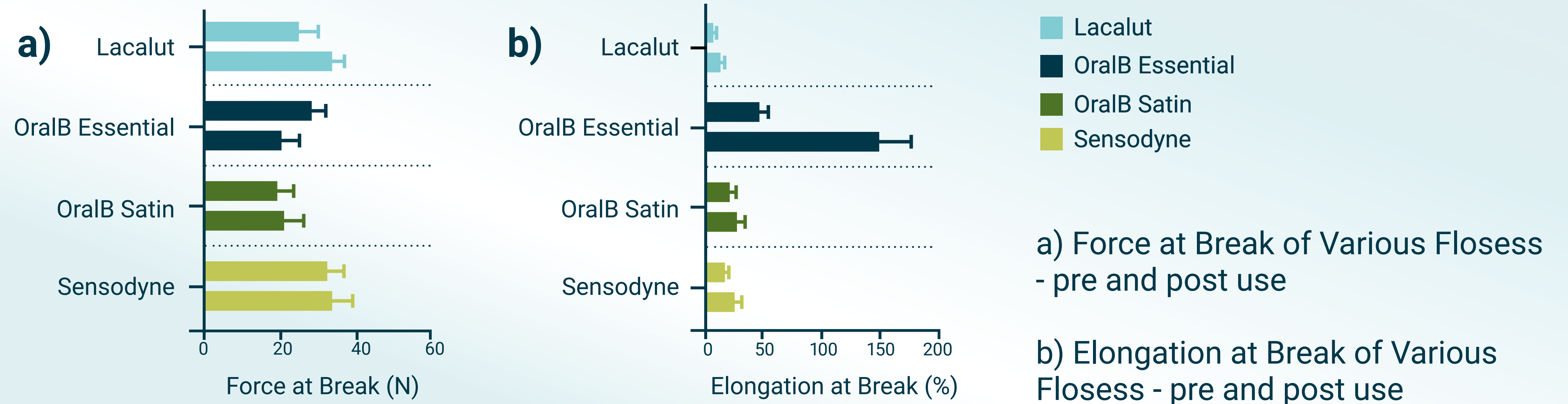


10 volunteers  
4 different commercial flosses  
10 samples of each  
Asked to floss as normal



Tension Testing and Fatigue Testing of Healthy Samples  
Tension Testing of Used Samples  
Cross-verification with SEM and Optical Microscopy

## FINDINGS:



## CONCLUSIONS:

Maximum Force at break can be approximated by anormal distribution across all flosses, but not elongation at break due to partial breaks.  
OralB Essential had the most increase in elongation at break for used samples and is the only of the studied that could sustain less force when used.  
Dental professionals should consider the specifics of a person's condition and suggest a suitable floss as this study proved that they are not all omni applicable.

