Predicting change in physical activity after stroke

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Physical inactivity is an important cardiovascular risk factor, but inactivity is common

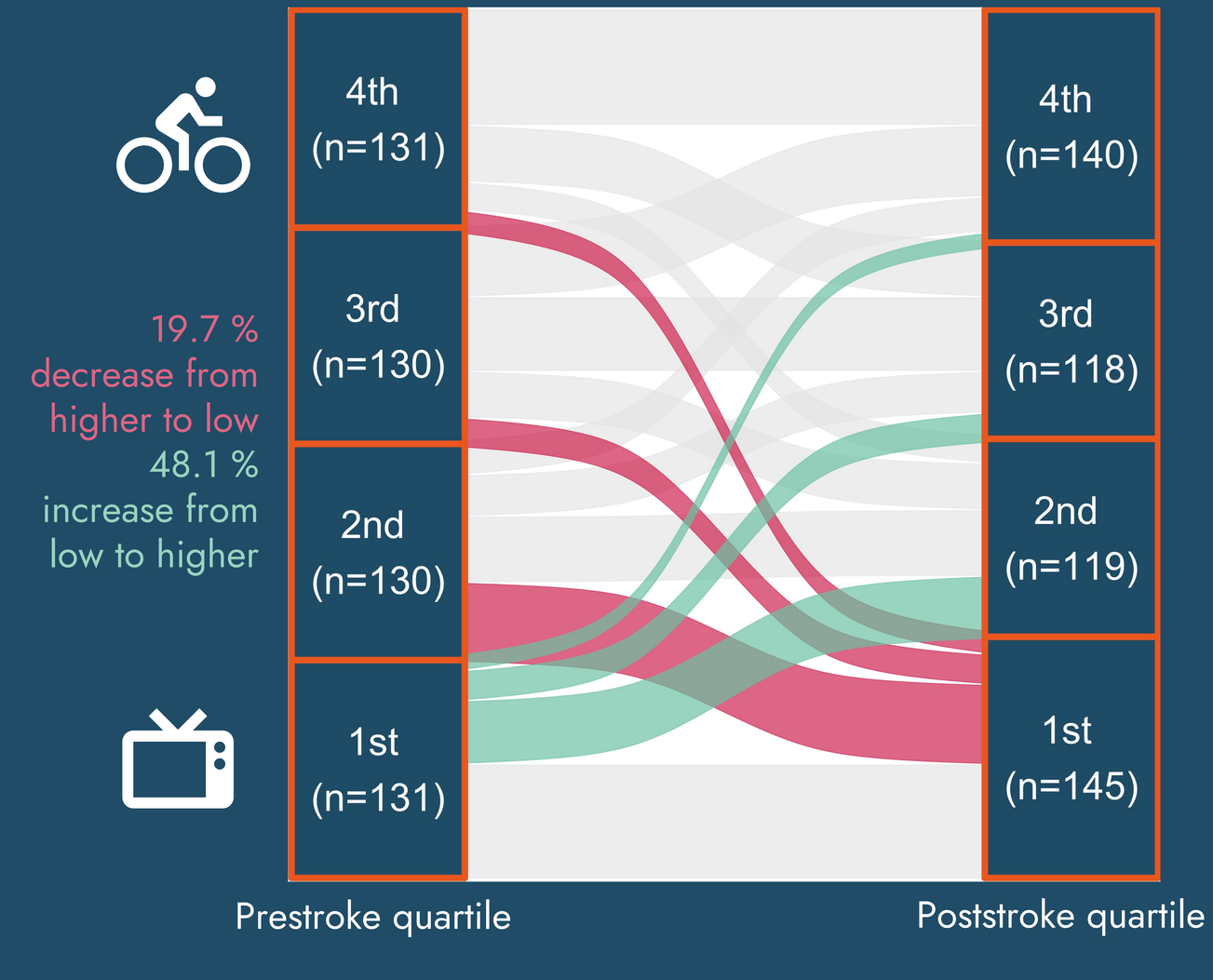
A clinical, multi-centre study with 522 first time stroke patients

Physical activity 7 days before stroke was recorded on admission, with a follow-up 6 months after stroke

Machine learning prediction model with all baseline covariates included

In total, 180 (34%) women, median age 68 [59, 76], median NIHSS score 3 [2, 5]

Levels of physical activity



Conclusion

Changes in physical activity after stroke **are highly dynamic** and difficult to predict

Model performance

Area Under Receiver Operating Curve

Decrease: 0.607

Increase: 0.606

All patients need systematic **rehabilitation** after stroke **to stimulate physical activity**

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Read more: andreas.gdamsbo.dk/academia/predict_pa

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