

# CATALYSING SOCIAL MOBILITY THROUGH STUDENT SUCCESS

Siyaphumelela Network Conference  
2023

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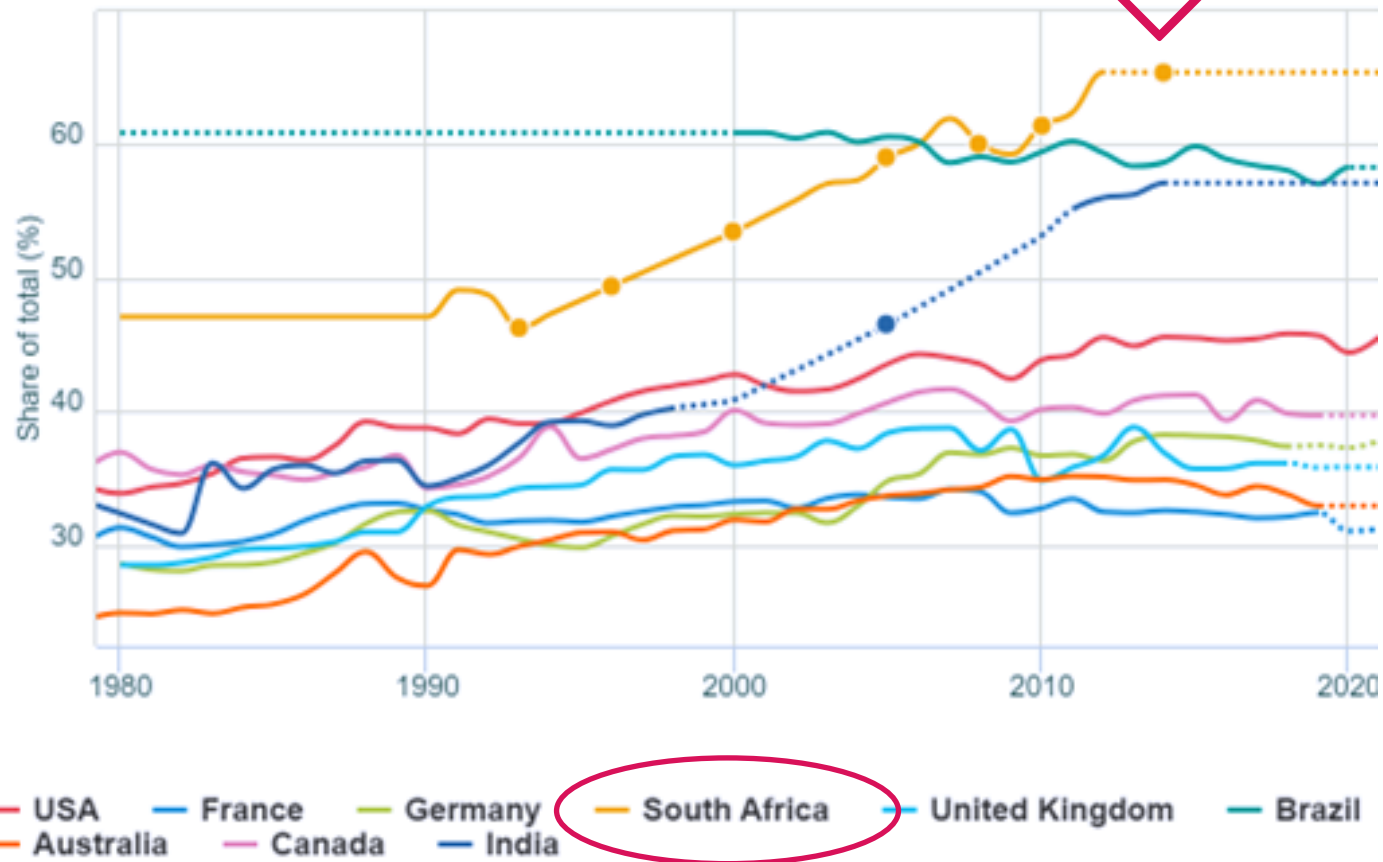
# Overview

1. Texture of our Inequality and our (Im)mobility
2. Post School Attainment and Mobility
3. Delving Deeper: Student SES and Higher Education Access and Success
4. Labour Market Success of Graduates
5. Concluding Comments

AND SO,  
THE CYCLE  
CONTINUES

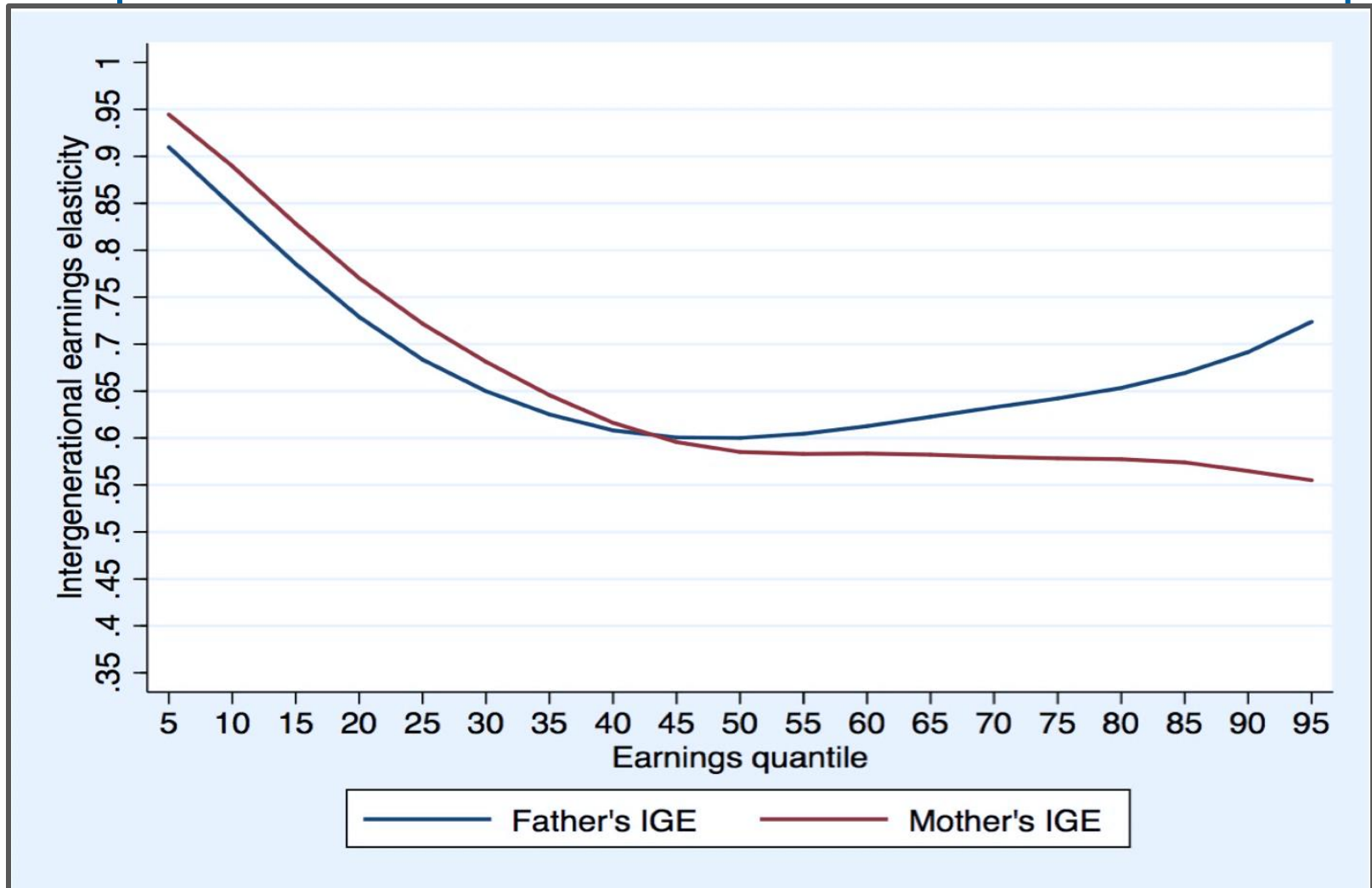
# 1. The Texture of our Income Inequality and our (Im)mobility

## Top 10% National Income Share



# Low earnings mobility – Intergenerational Failure

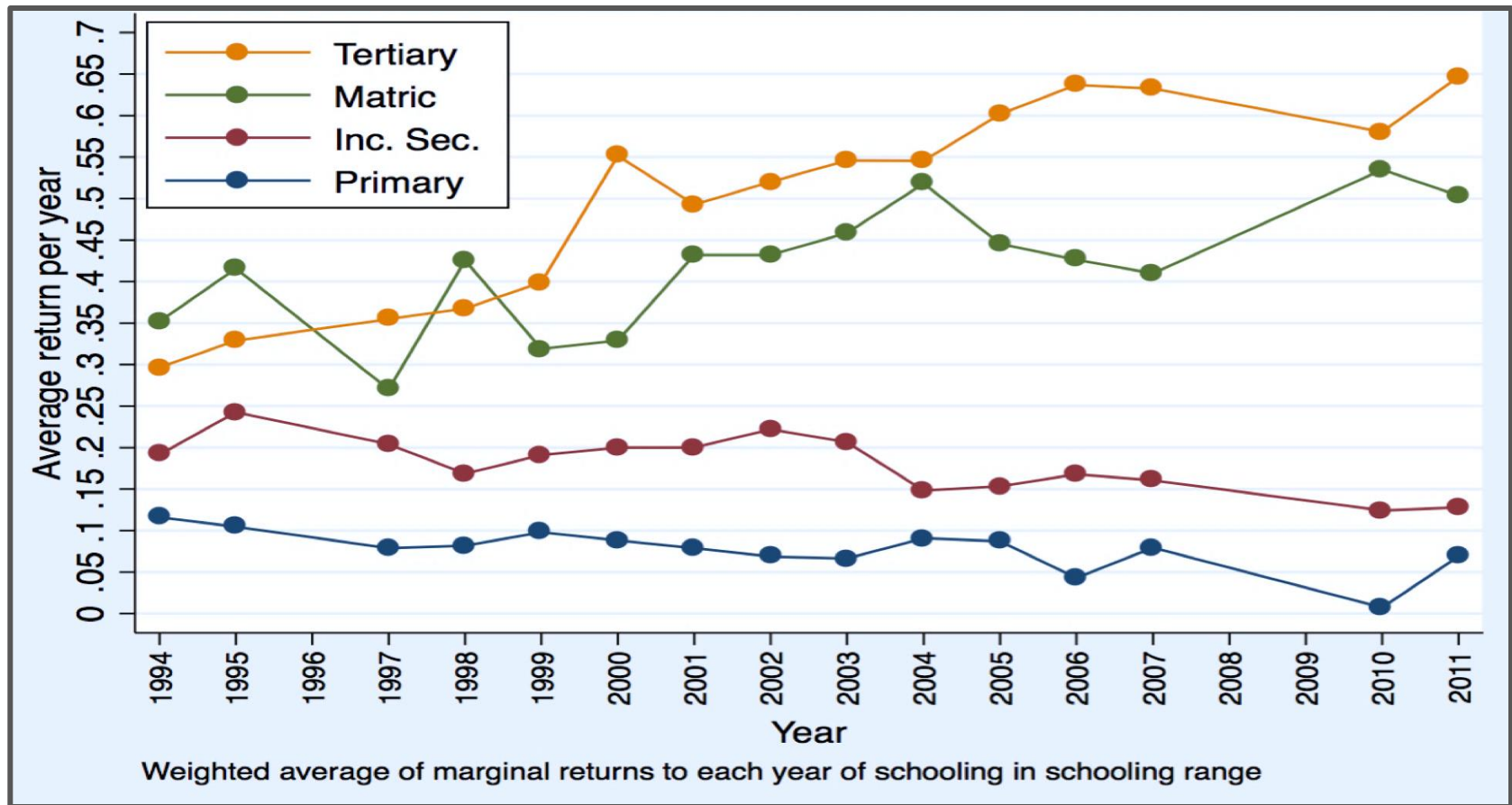
Sons' intergenerational earnings elasticity by earnings quantiles



## 2. Post School Attainment and Mobility

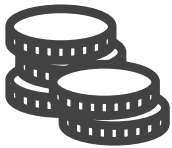
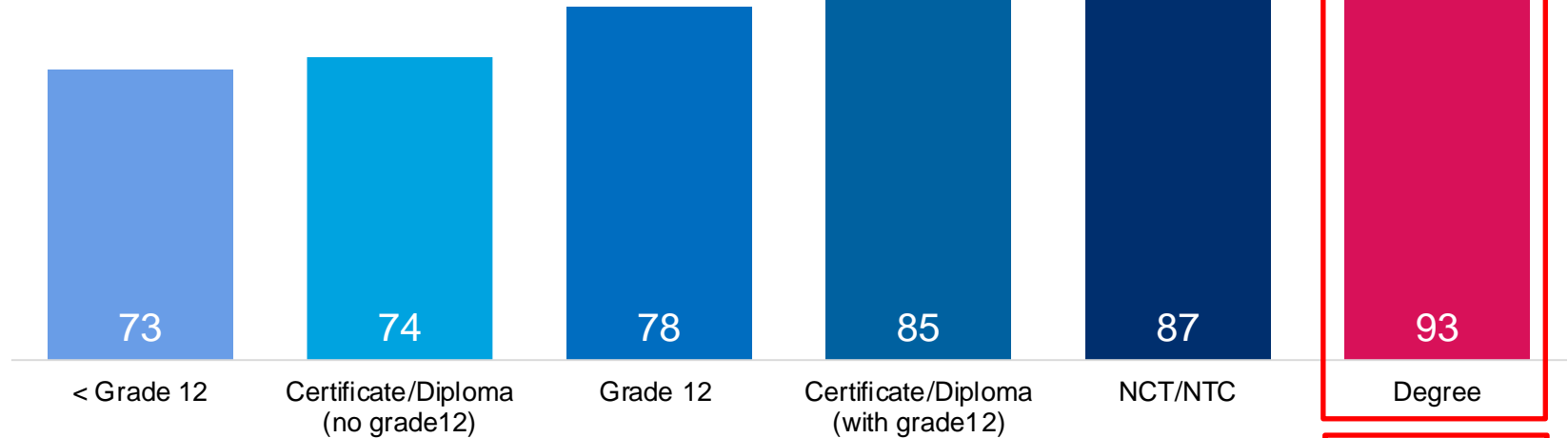
# High and rising returns to 12+ (especially post-secondary)

Average returns to schooling, South Africa 1994-2011

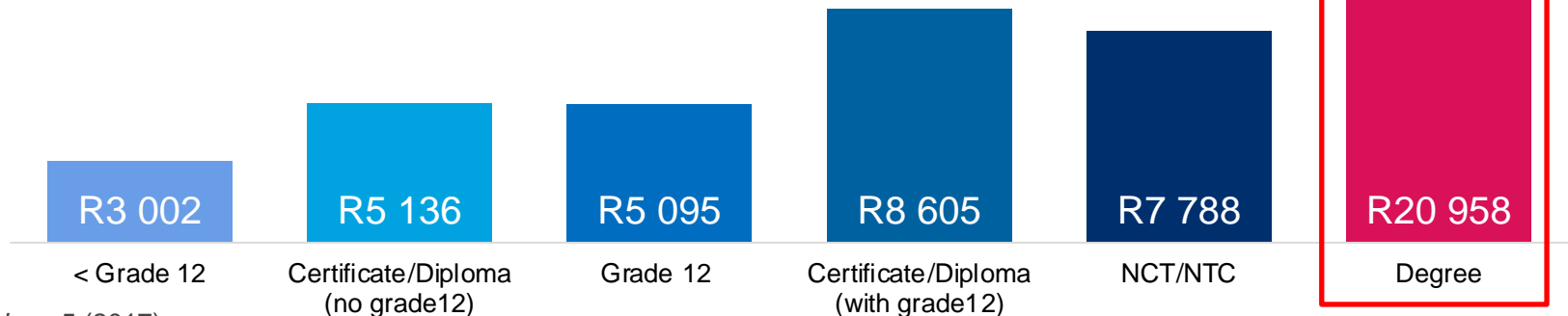




## Probability of employment



## Earnings per month (ZAR)





# Qualifications attained, 1994-2030

Percentage



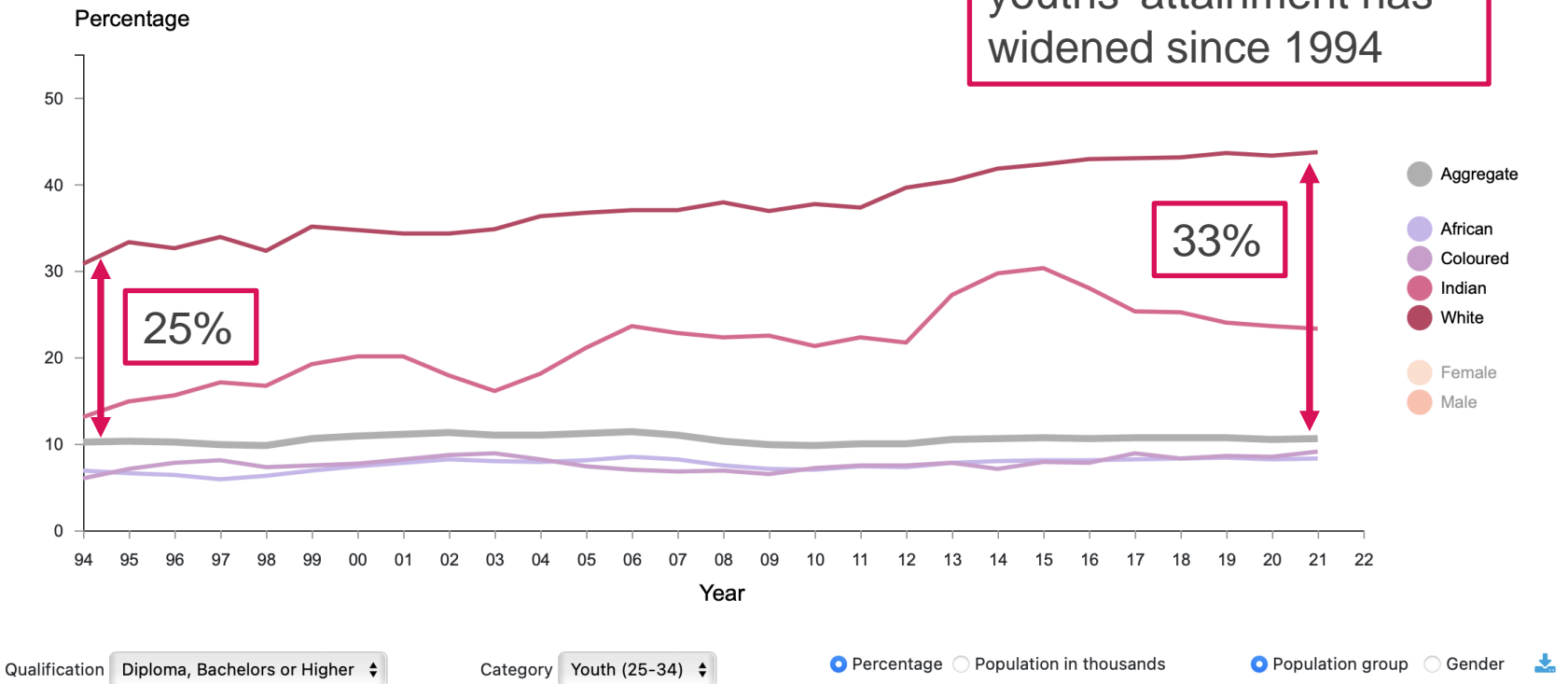
Category Youth (25-34) ▾



Source: Siyaphambili interactive website

## Qualification attainment by sub-group, 1994-2021

The gap between African and White youths' attainment has widened since 1994



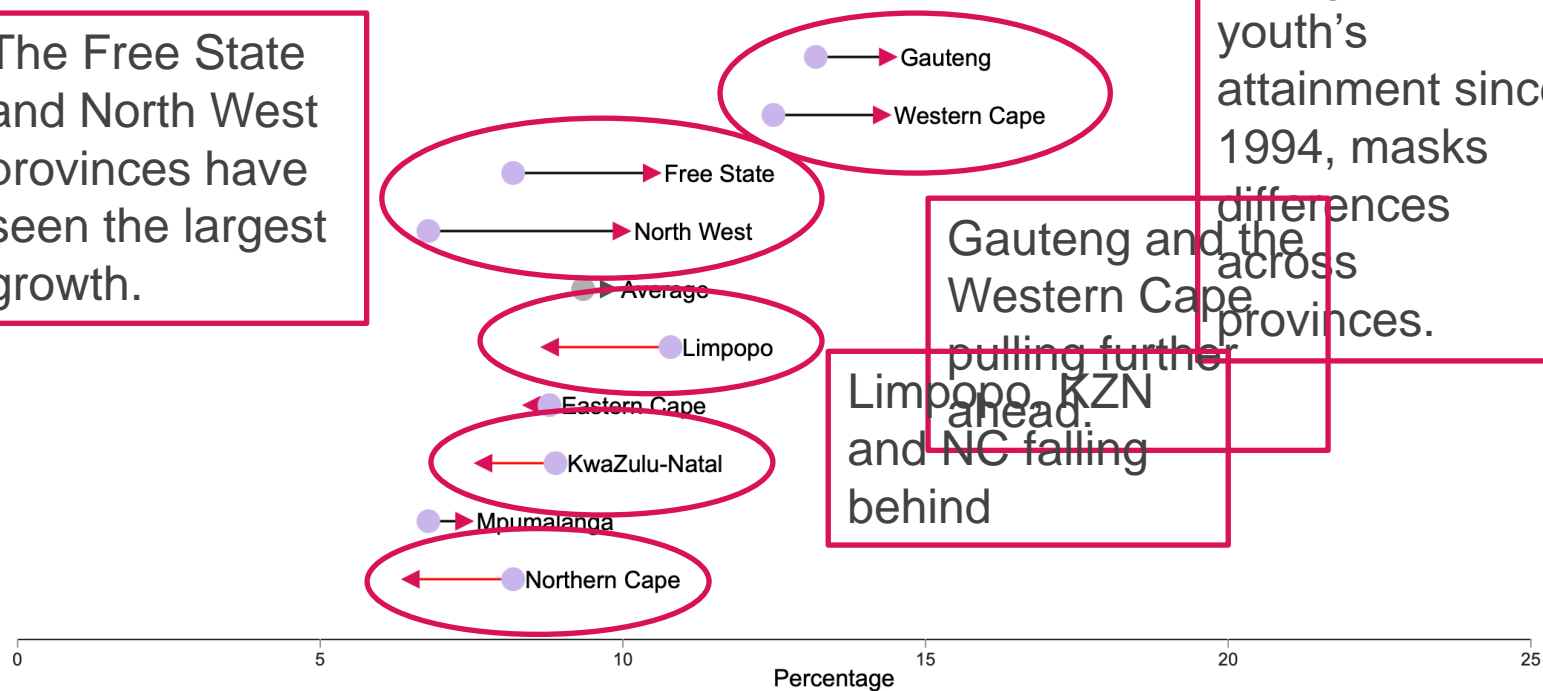
Source: Siyaphambili interactive website

## Growth in qualification attainment by province

The Free State and North West provinces have seen the largest growth.

Overall 'no change' in youth's attainment since 1994, masks differences across provinces.

Gauteng and the Western Cape pulling further ahead.  
Limpopo, KZN and NC falling behind



Qualification Diploma, Bachelors or Higher

Category Youth (25-34)

☒ Percentage ☐ Population in thousands

From year 1994

To year 2021

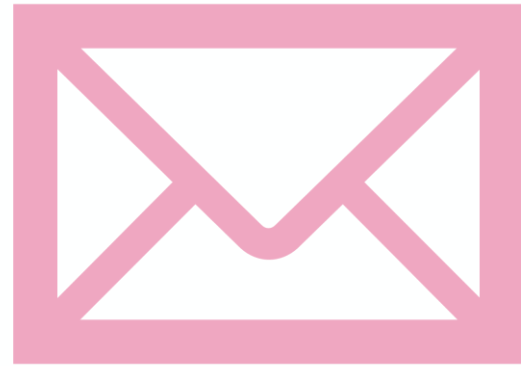


Source: Siyaphambili interactive website

### 3. Delving Deeper: Student SES and Higher Education Access and Success

# Measuring student SES using postal codes

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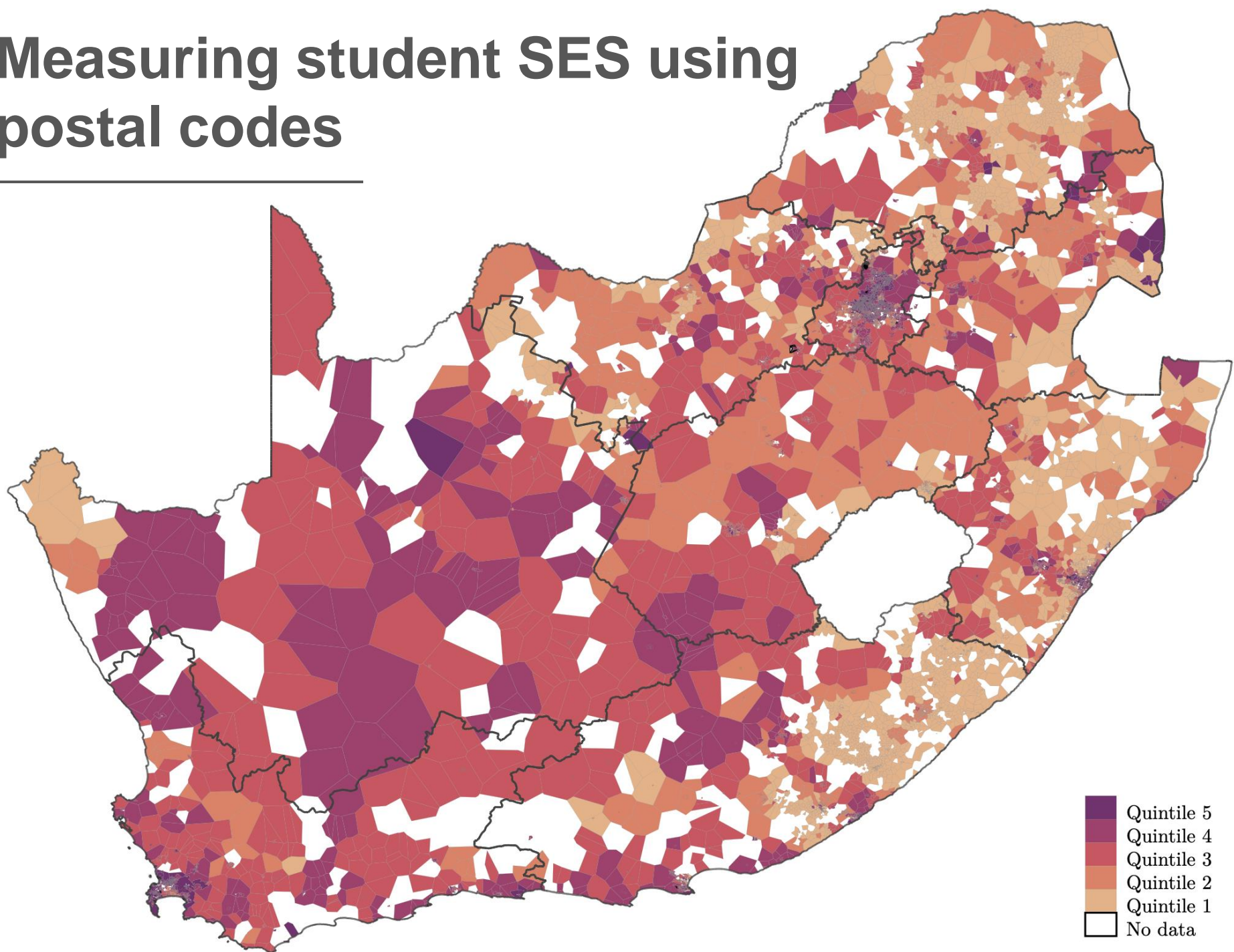


- Comprehensive system-wide university data in HEMIS, but little socioeconomic status (SES) information.
- Therefore, match student postal codes to average Census 2011 community income information and divide the population of students entering undergraduate university qualifications in 2015 into 5 equal groups.
- Caveat: we assume that students' socioeconomic circumstances are well represented by the average characteristics of the postal code in which they originate.
- Classify students from quintile 1-3 postal codes as lower income.



# Measuring student SES using postal codes

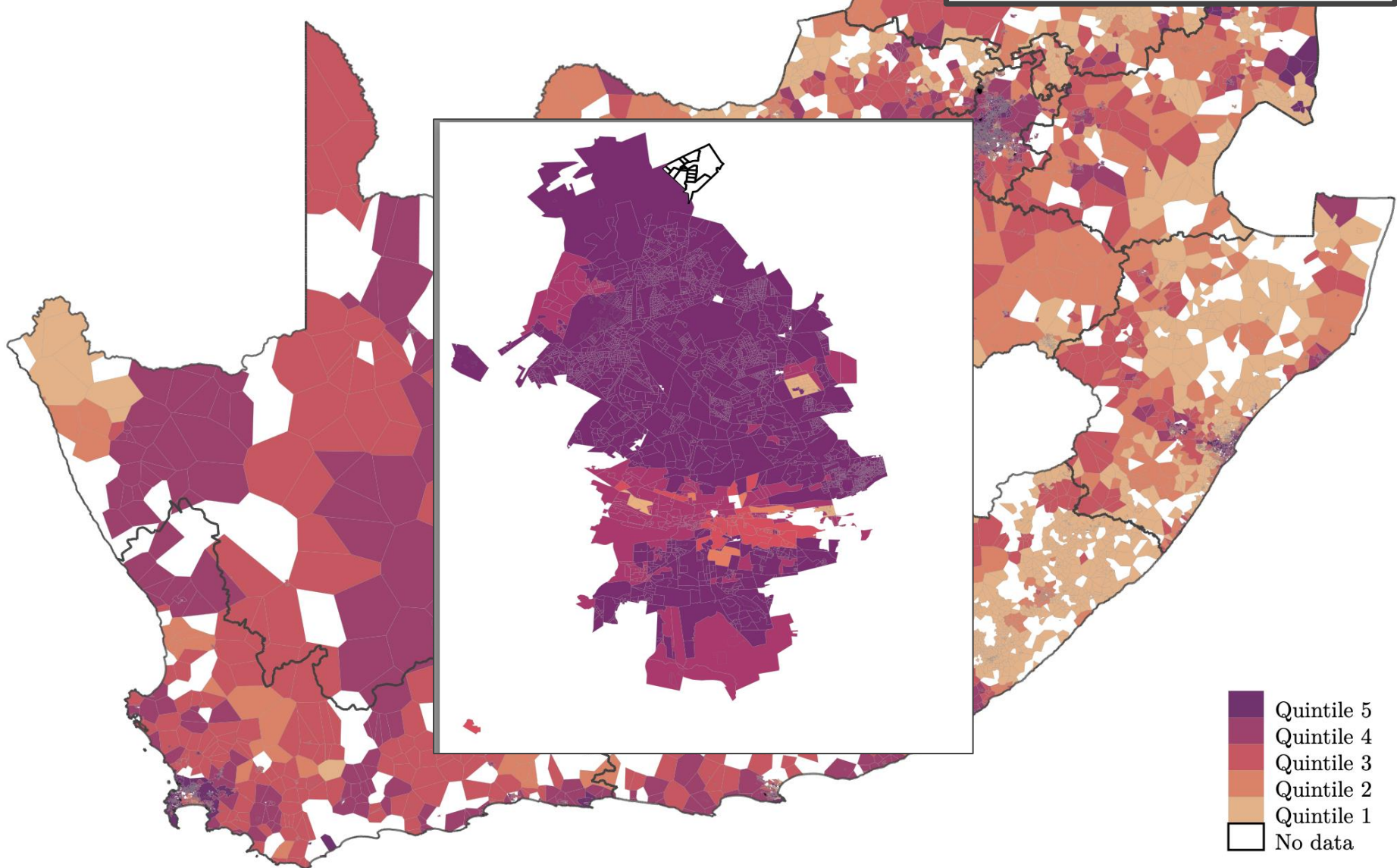
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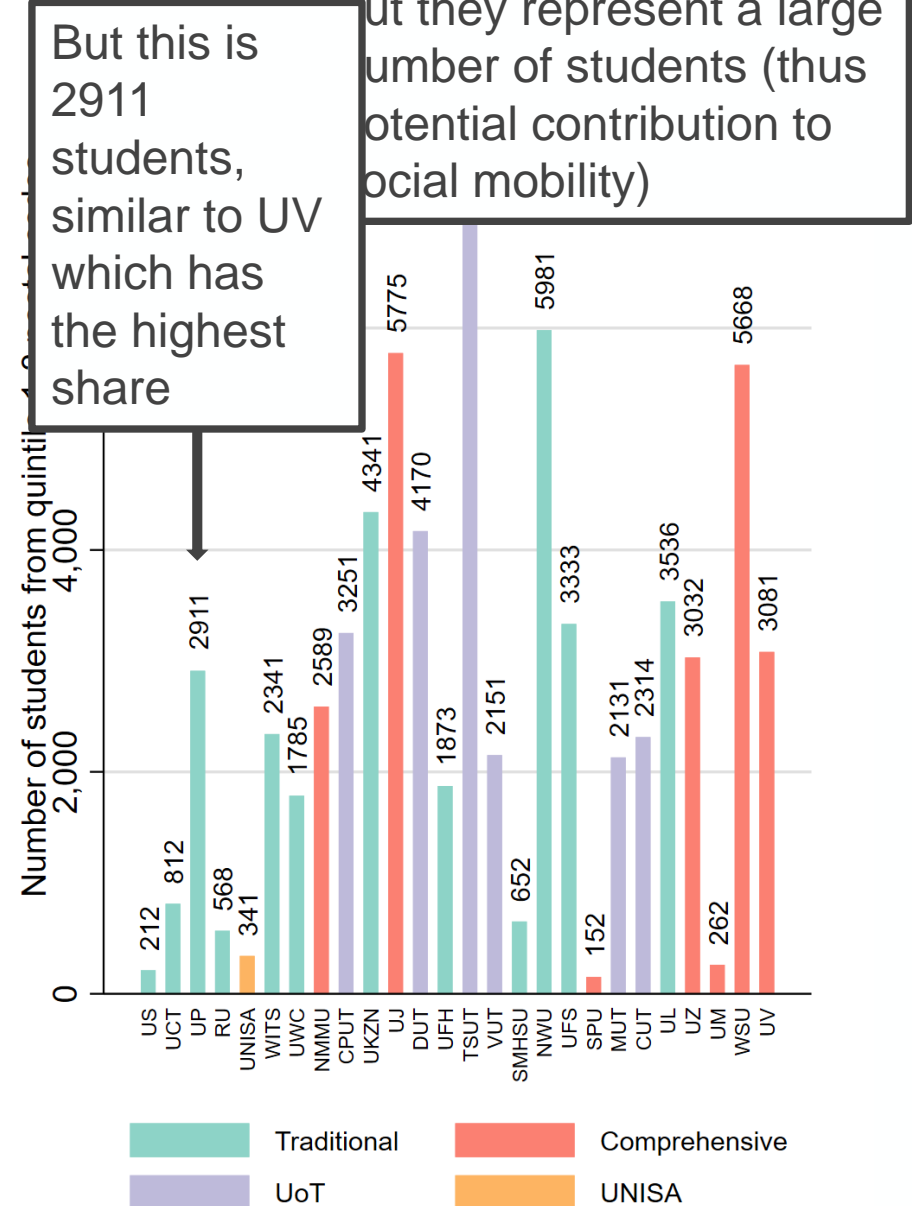
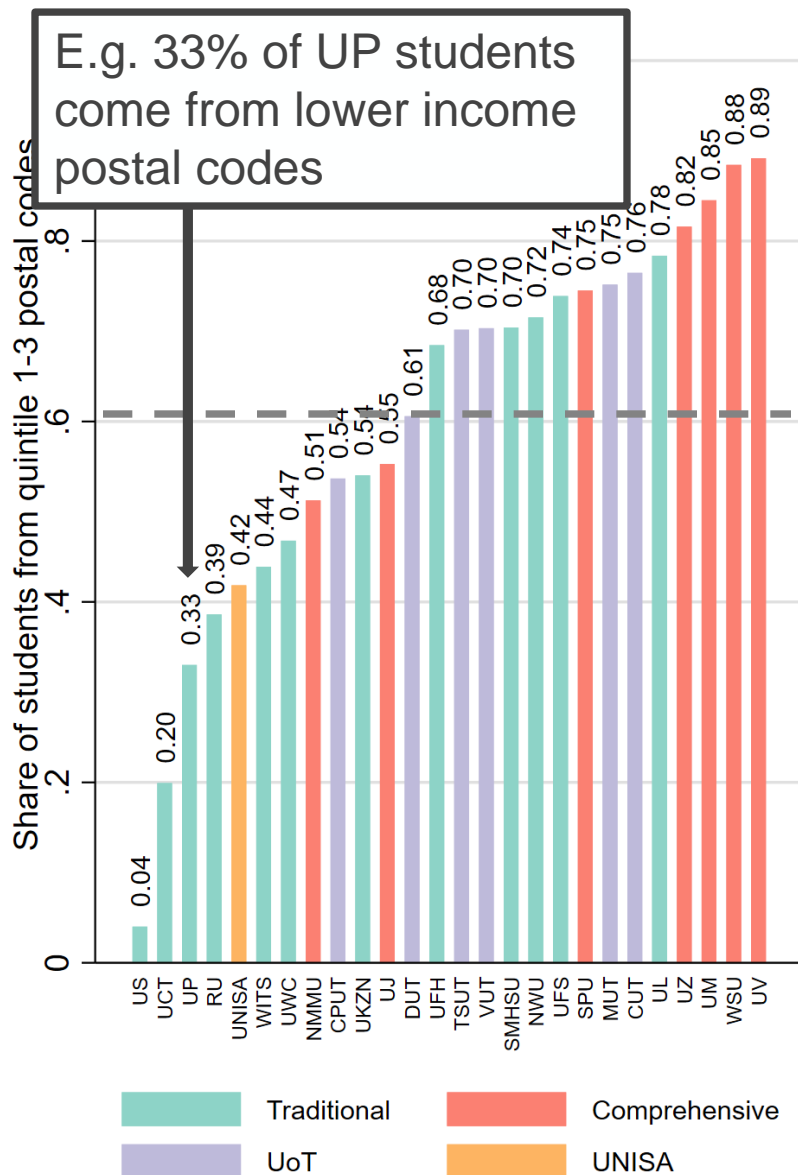


# Measuring Student SES using postal codes

27% of all students from quintile 5 postal codes are from Joburg, Sandton, Randburg

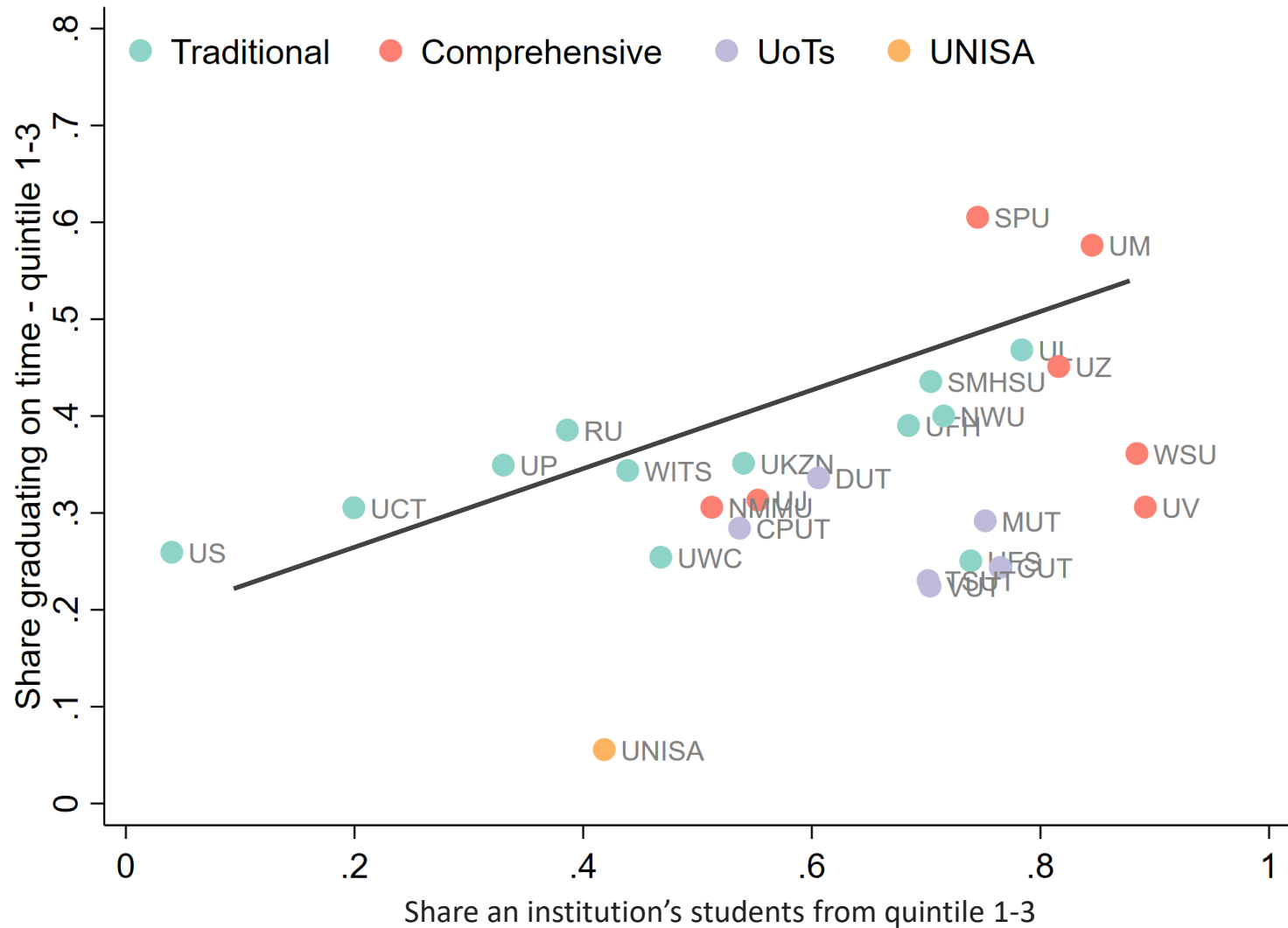


# Lower income access, by insti

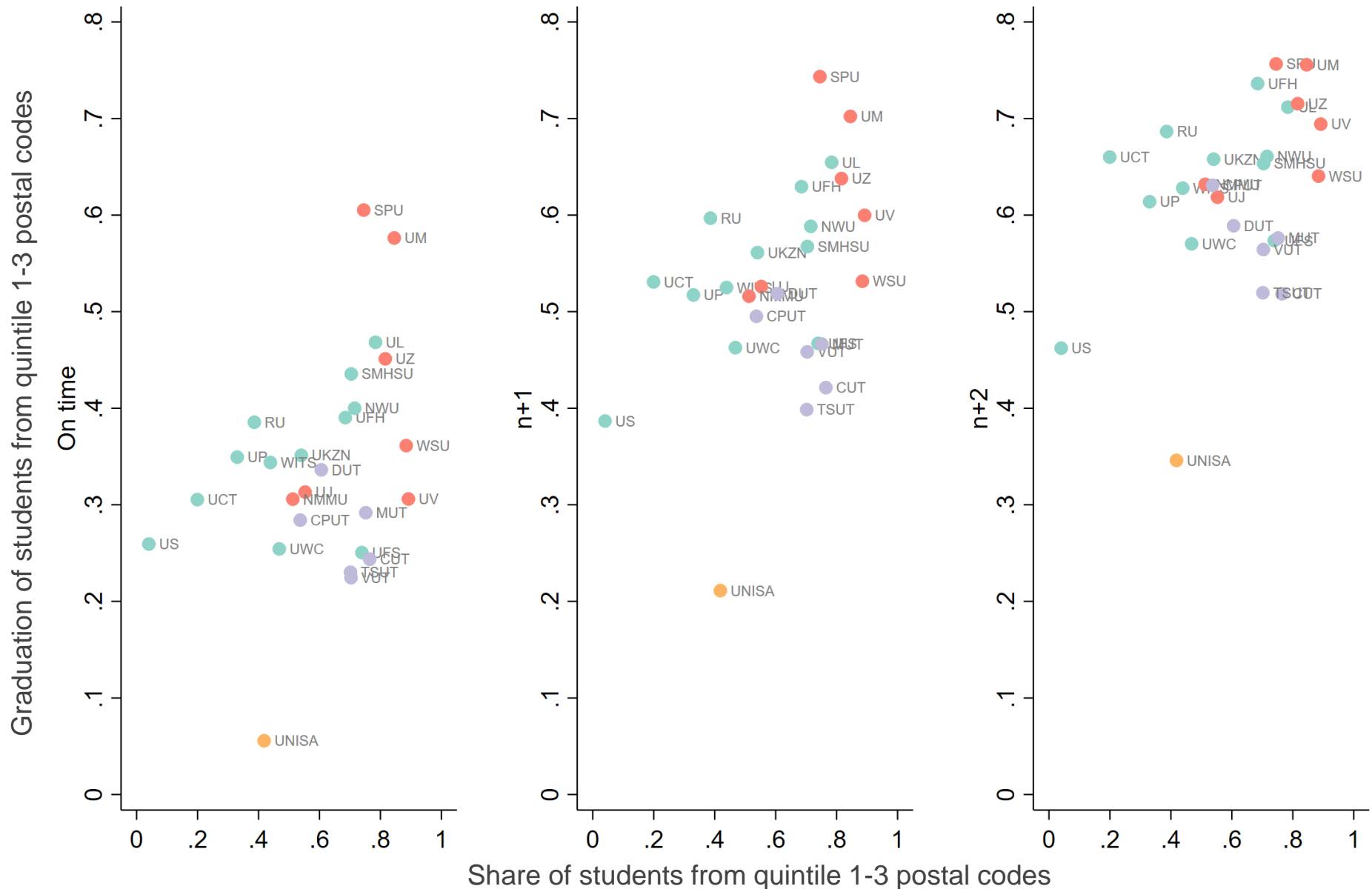




# Contribution to 'mobility' - Graduation

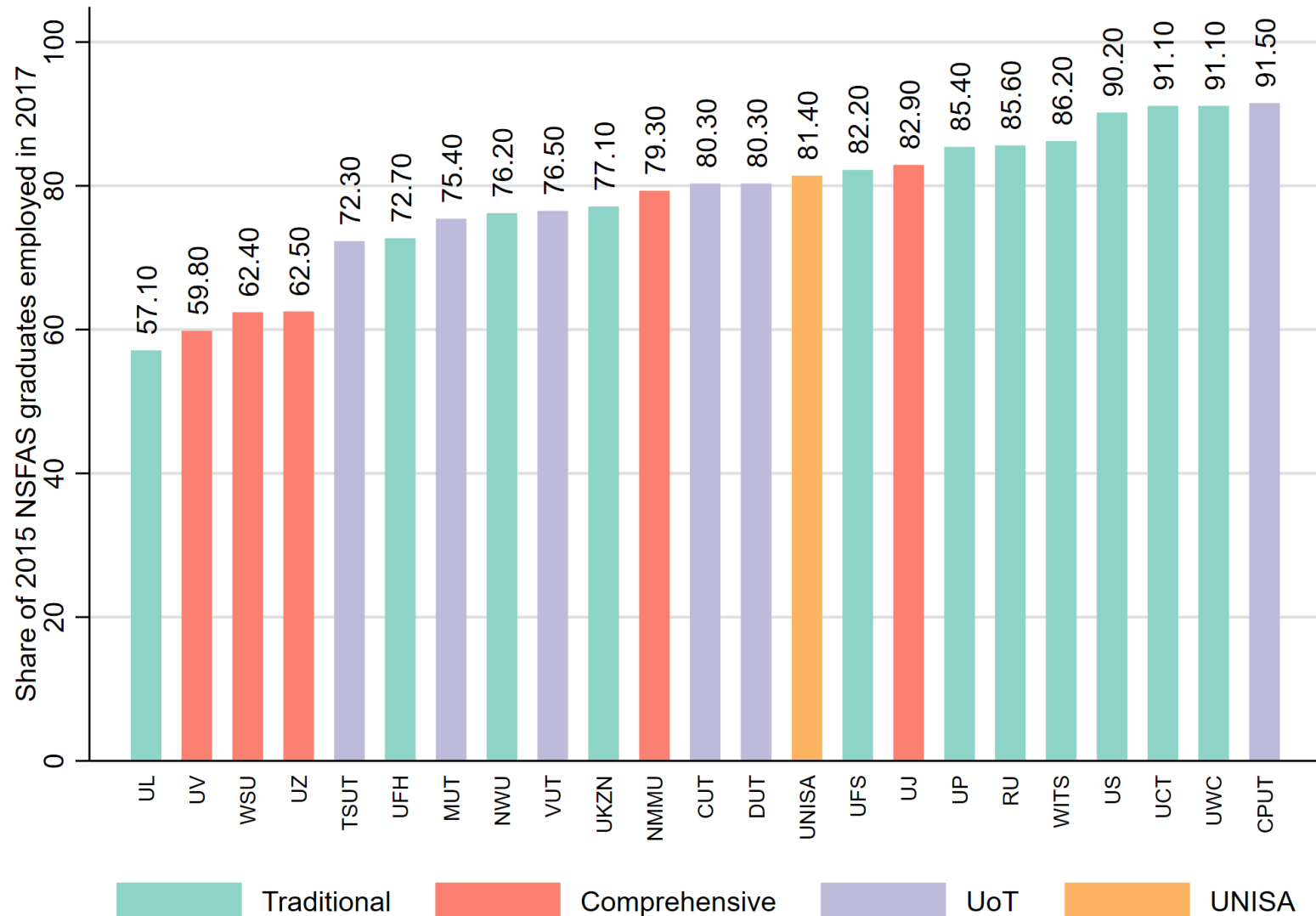


# Contribution to 'mobility'



## 4. Success in the Labour Market

# Employment and upward income mobility



## 5. Conclusions

# Policy approaches to upward mobility

Increasing social protection



Improving early literacy/numeracy



Improving higher education



# The missing middle, youth characteristics and NSFAS

	Persistently eligible	Transiently eligible	Vulnerable MM	Stable MM	HH income > R600k
<b>Household income, access to credit</b>					
Per capita income (monthly)	R1 336.04	R3 428.71	R8 748.65	R12 609.20	R22 682.60
At least one resident has a home loan/bond	0.00	0.07	0.21	0.54	0.44
At least one resident has vehicle finance	0.00	0.08	0.28	0.40	0.41
<b>Household composition</b>					
Number of children under 6	0.84	0.63	0.84	0.35	0.34
Number of children aged 6-18	1.53	1.43	1.44	0.70	0.88
Household employment rate (working age adults)	0.34	0.56	0.54	0.73	0.66
<b>Employment, enrolment states</b>					
Enrolled but level is unknown	0.00	0.01	0.01	0.01	0.02
Enrolled in school	0.25	0.19	0.24	0.24	0.23
Enrolled in post-school	0.04	0.09	0.15	0.14	0.22
Employed	0.28	0.45	0.36	0.53	0.44
NEET/no info on enrolment/employment	0.43	0.26	0.23	0.09	0.08
<b>Schooling (current/past)</b>					
Completed or enrolled in Grade 12	0.29	0.56	0.59	0.76	0.75
School quintile 1-3	0.75	0.54	0.43	0.08	0.16
School quintile 4-5	0.15	0.30	0.34	0.62	0.53
<b>Parental education</b>					
Mother's education: post-school	0.04	0.20	0.33	0.46	0.53
Father's education: post-school	0.04	0.15	0.22	0.44	0.52
<b>Individuals (aged 15-35)</b>	<b>38 245</b>	<b>15 654</b>	<b>929</b>	<b>517</b>	<b>745</b>

Source: NIDS Waves 1-5 (post-stratification weights)

# Catalysing social mobility through student success

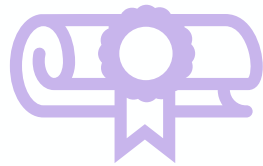


- Evidence of the need to approach student success holistically.



inclusive access

support while studying



graduate outcomes





# SALDRU

Southern Africa Labour and  
Development Research Unit

**CHALLENGING INEQUALITIES THROUGH POLICY  
RELEVANT ACADEMIC RESEARCH.**



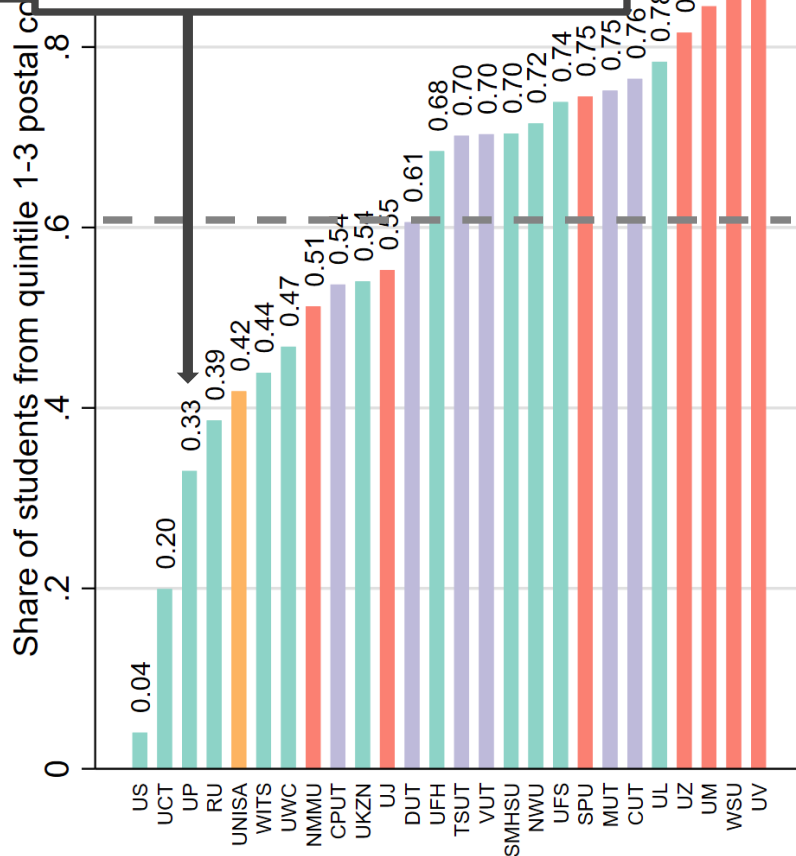
# References

- Culligan, S. (2022). **Using census, institutional and geospatial data to estimate the socio-economic profile of post-school students by institutional type**. Master's thesis. University of Cape Town.
- Finn, A., Leibbrandt, M. & Ranchhod, V. (2017). **Patterns of persistence: Intergenerational mobility and education in South Africa**. Version 3. SALDRU Working Paper Number 175/ NIDS Discussion Paper 2016/2. University of Cape Town.
- Lam, D., Finn, A. & Leibbrandt, M. (2015). **Schooling inequality, returns to schooling, and earnings inequality: Evidence from Brazil and South Africa**, WIDER Working Paper 2015/050, United Nations University World Institute for Development Economics Research.
- Whitelaw, E., Branson, N. & Leibbrandt, M. (2022). **Social stratification and post-school funding thresholds: A dynamic approach to profiling the missing middle**. SALDRU Working Paper No.288. University of Cape Town.
- Wildschut, A., Rogan, M., & Mncwango, B. (2020). **Transformation, stratification and higher education: Exploring the absorption into employment of public financial aid beneficiaries across the South African higher education system**. Higher Education, 79, 961-979.

# Lower income access – by Inst

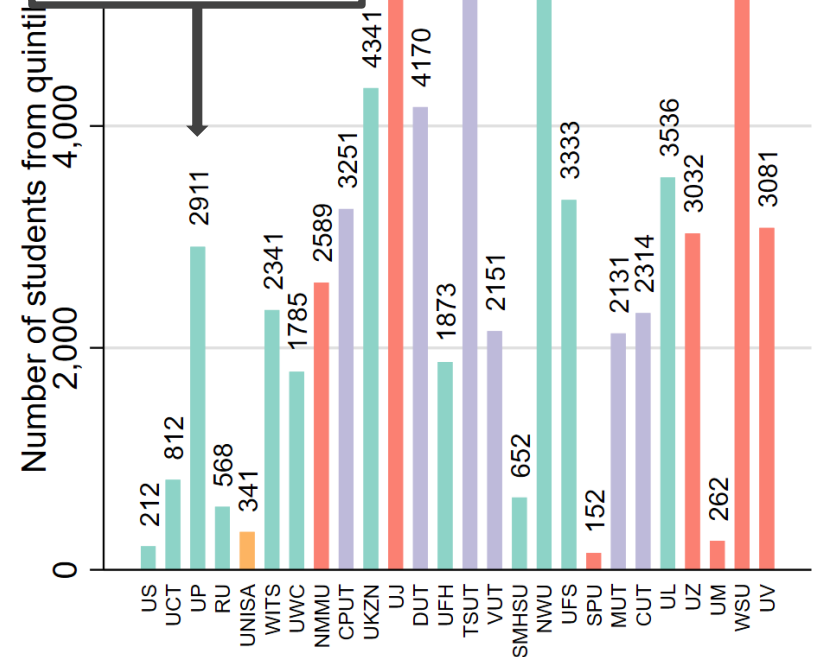
Inst high average postal codes

E.g. 33% of UP students come from lower income postal codes



Traditional Comprehensive  
UoT UNISA

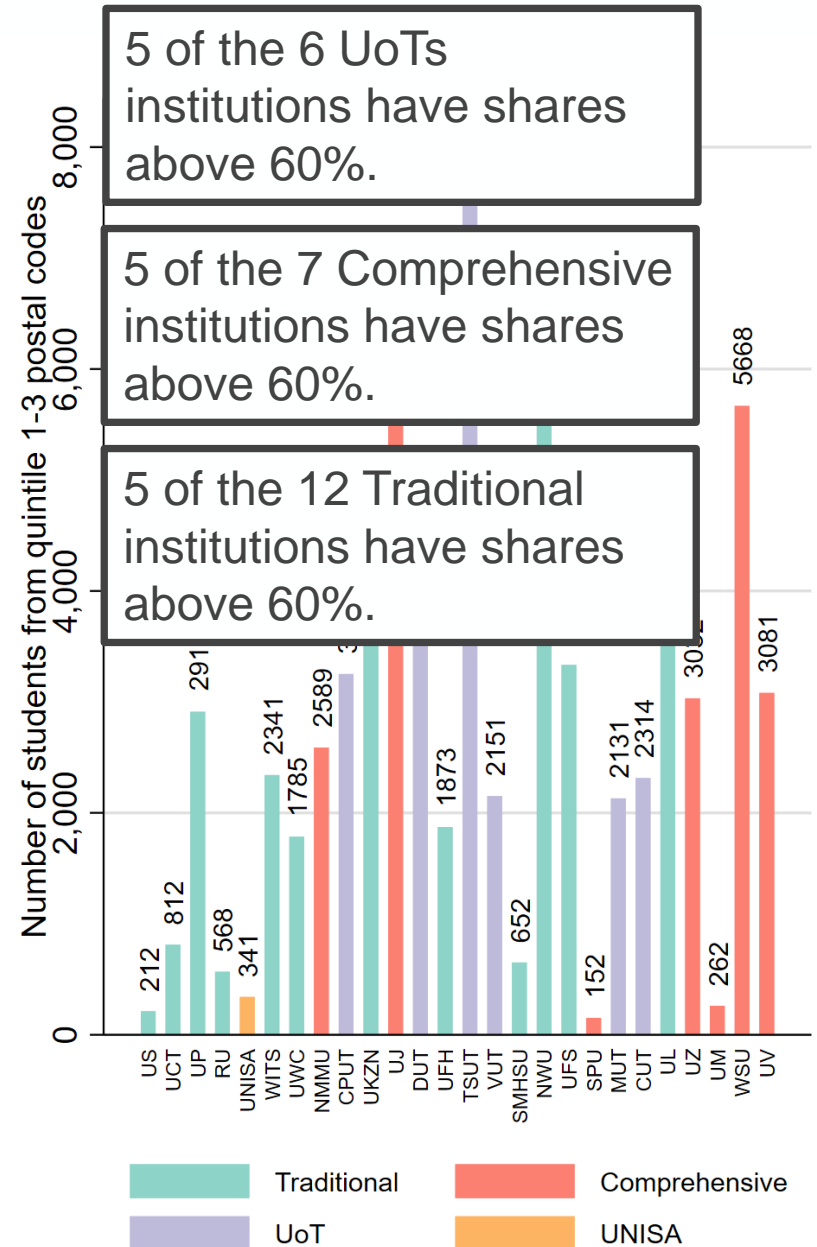
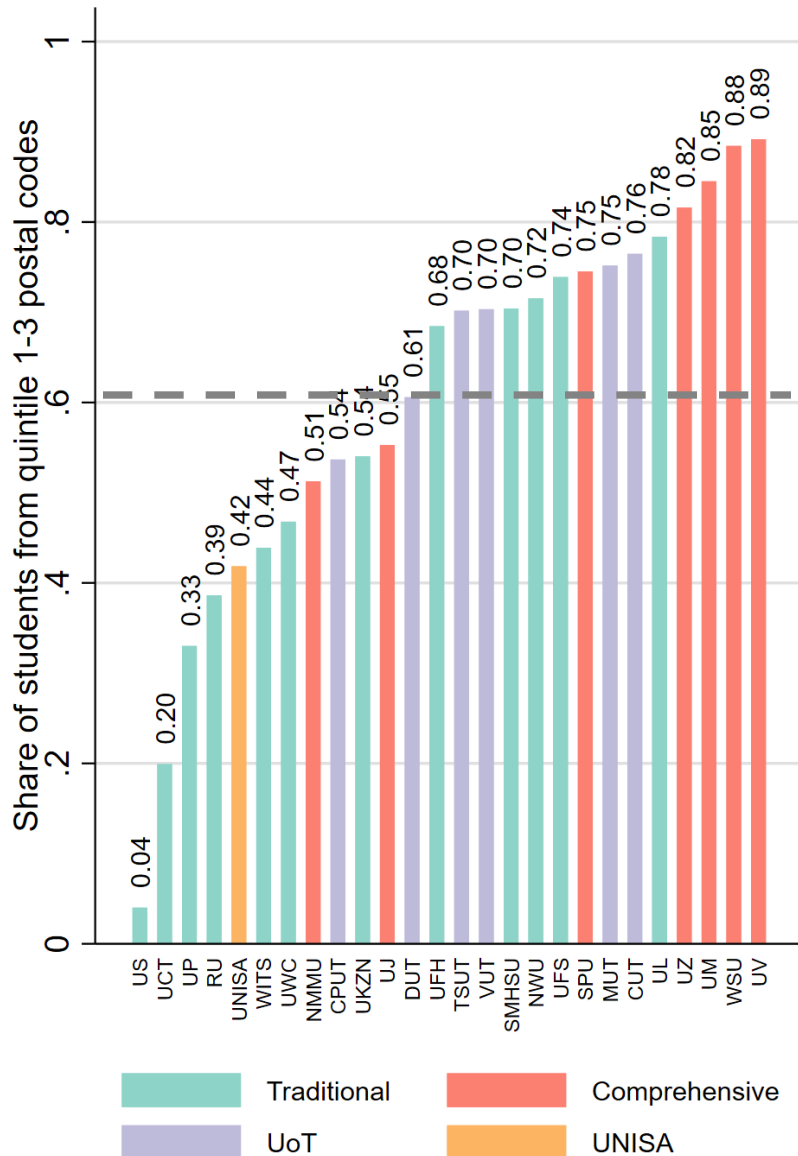
But this is 2911 students, similar to UV which has the highest share



Traditional Comprehensive  
UoT UNISA

In some institutions, the share of students is low, but they represent a large number of students (thus potential contribution to social mobility)

# Lower income access

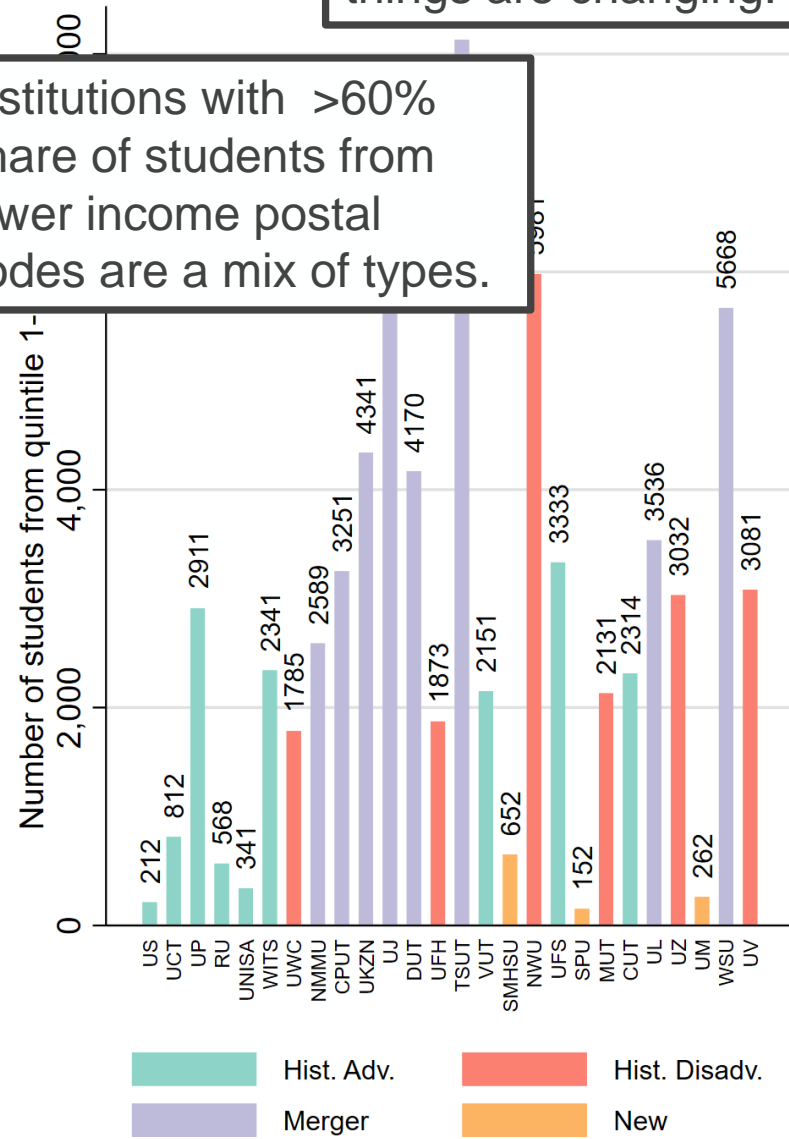
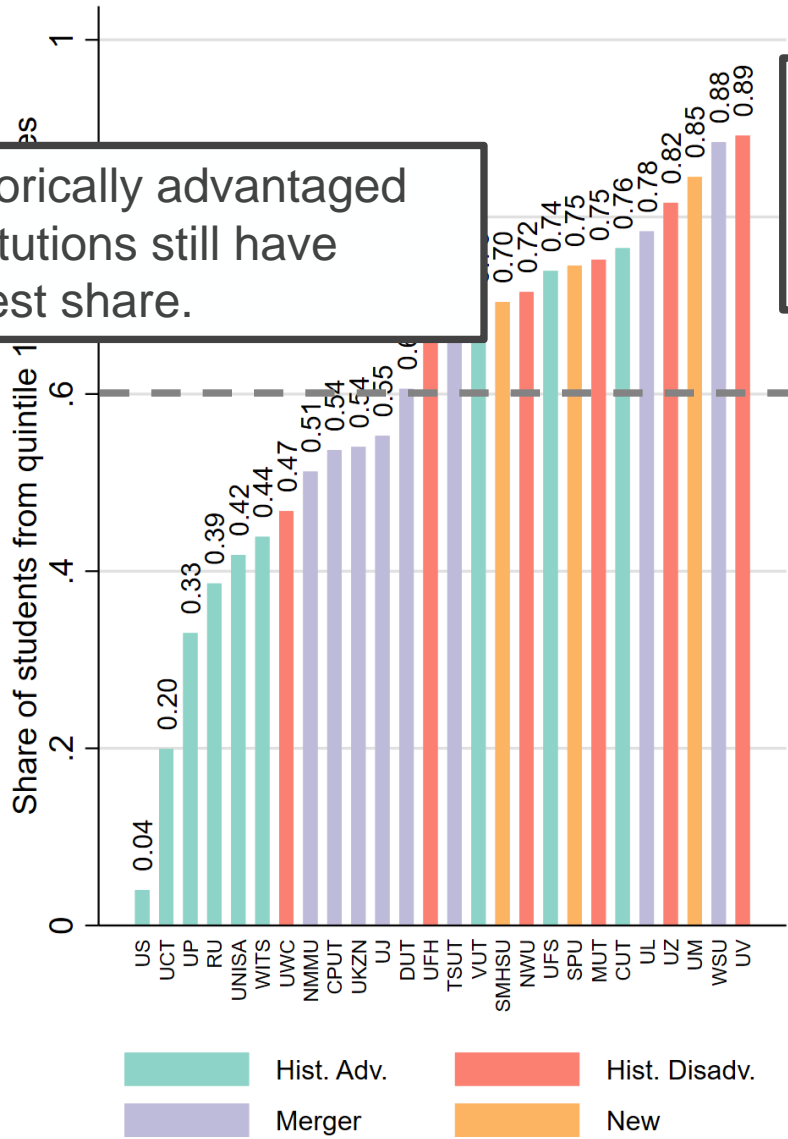


# Lower income access

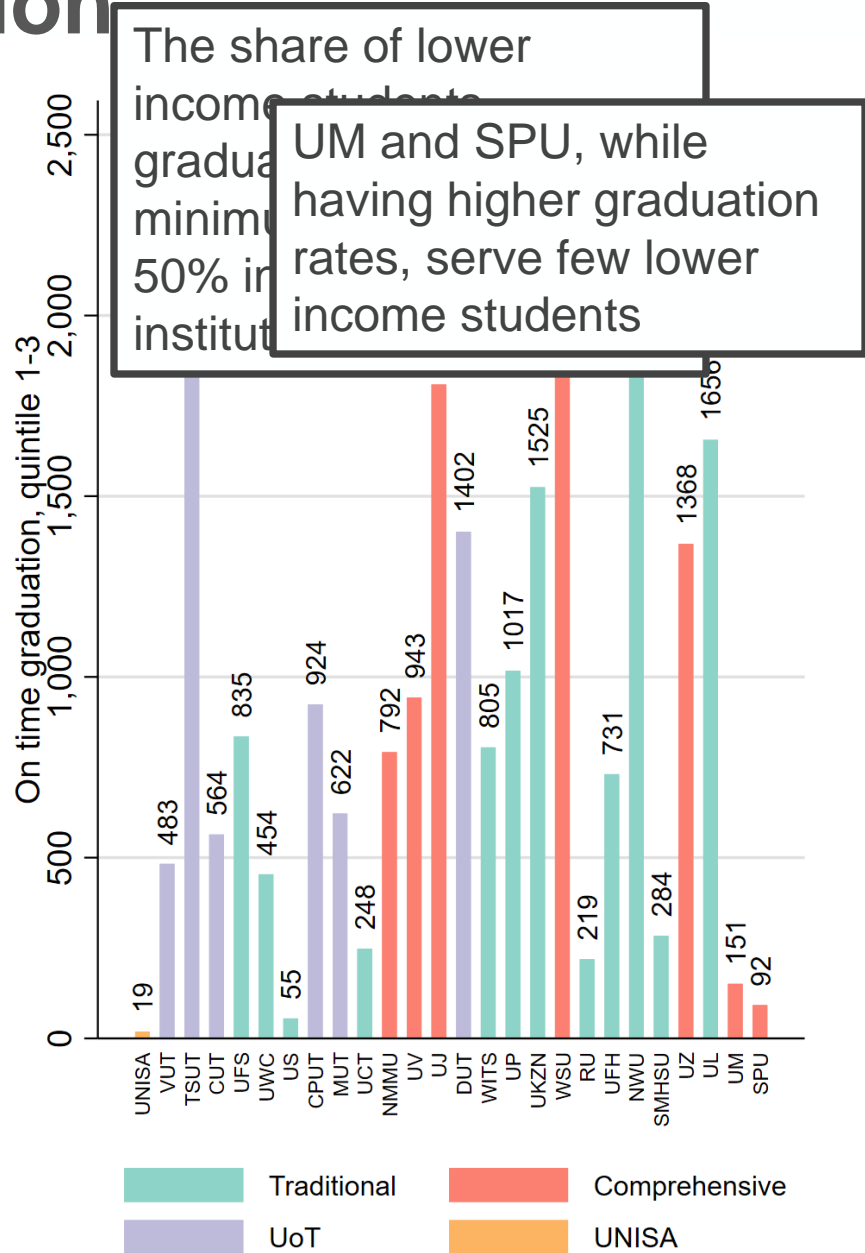
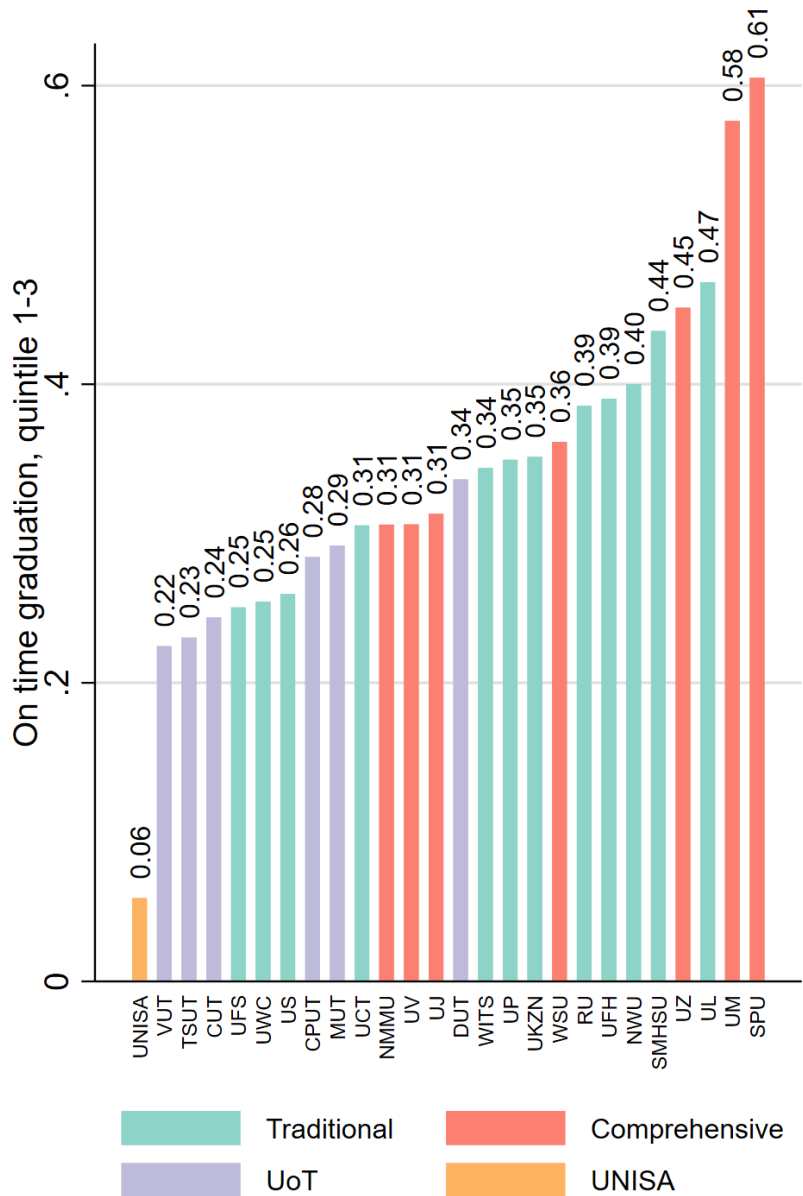
Historical legacy is evident in the shares, but things are changing.

Historically advantaged institutions still have lowest share.

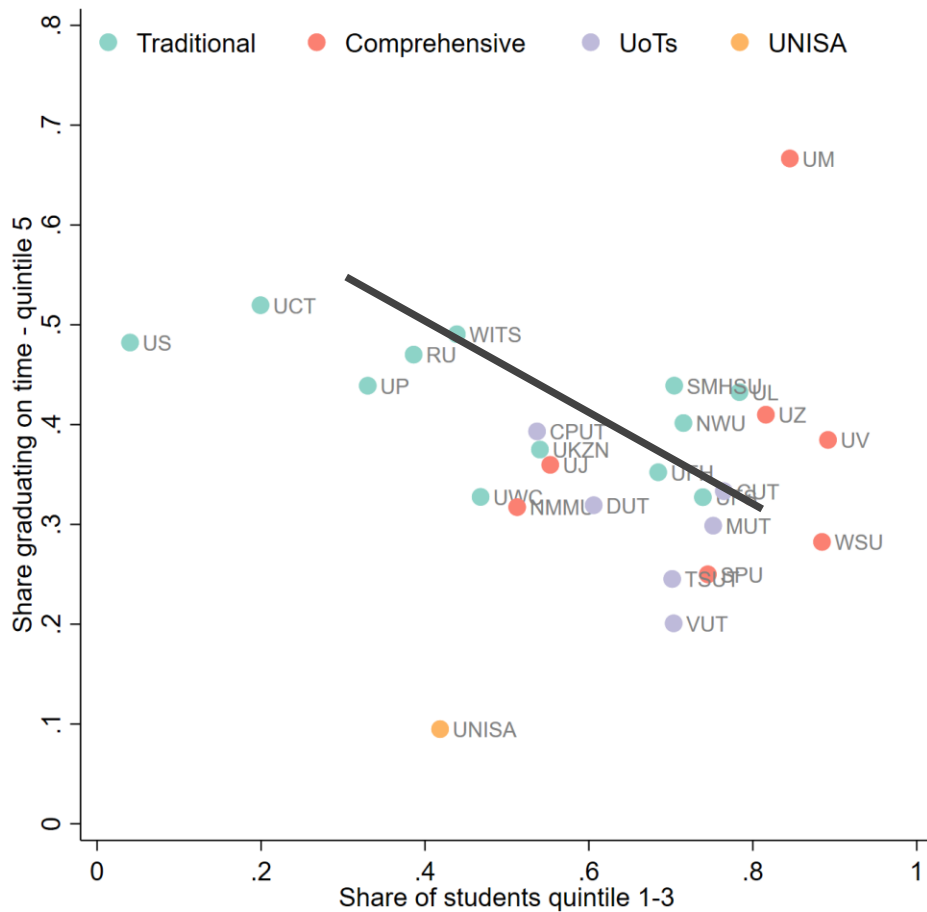
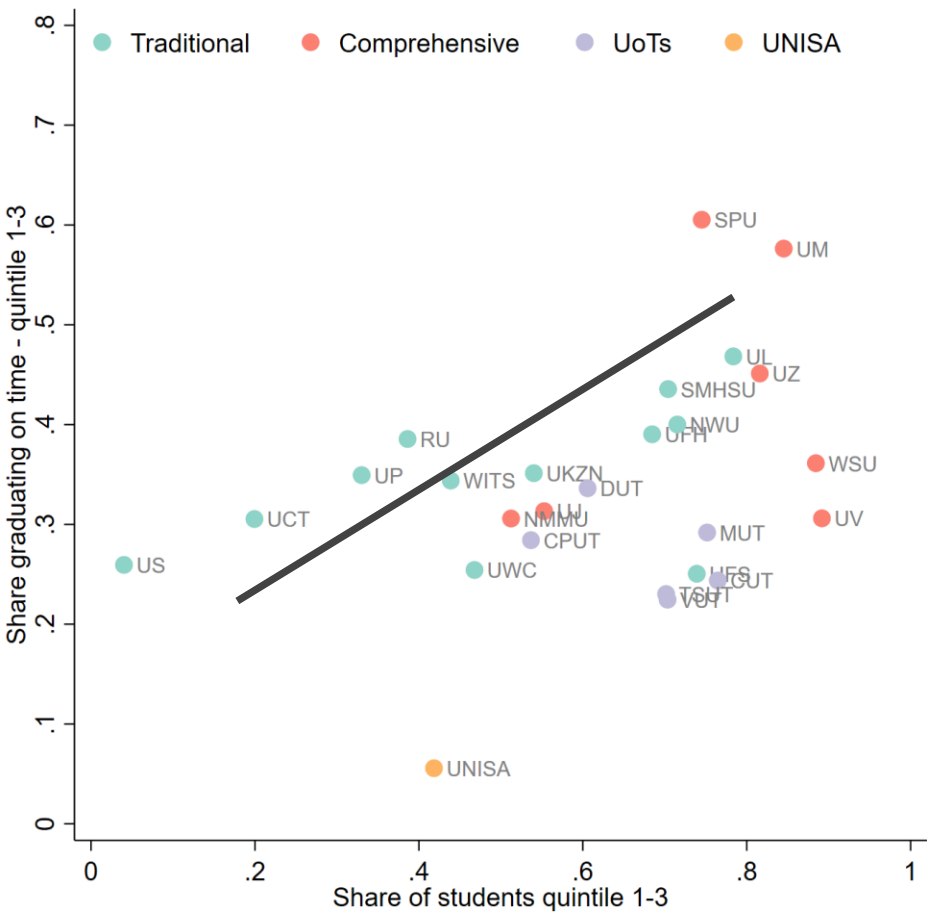
Institutions with >60% share of students from lower income postal codes are a mix of types.



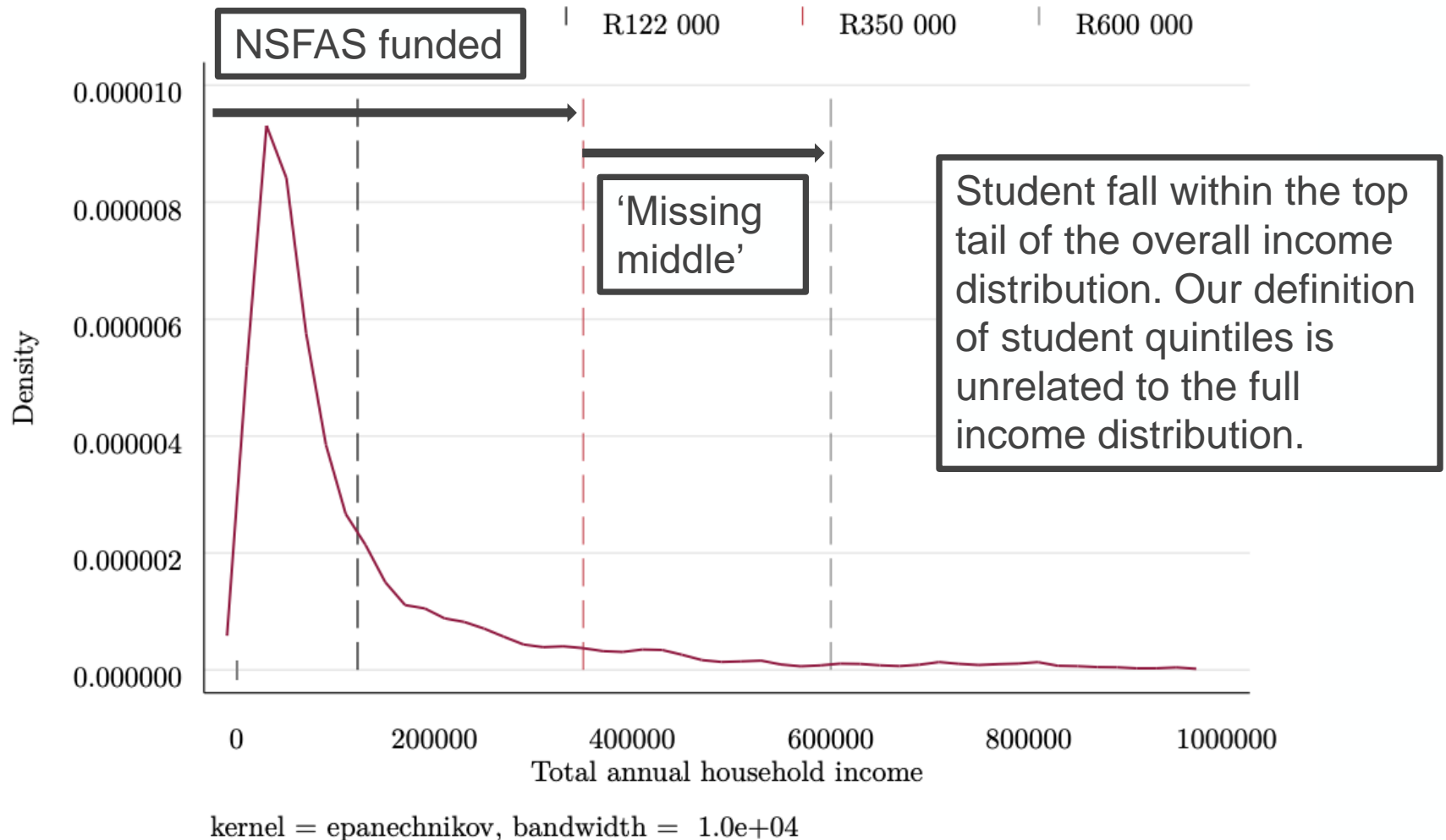
# Lower income graduation



# Contribution to 'mobility'



# Students vs. population

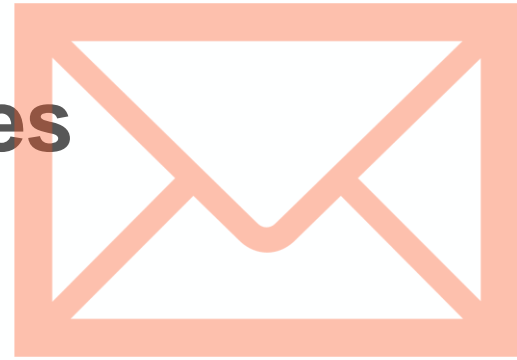


Source: NIDS Wave 5 (2017) in Whitelaw et al 2022



# Measuring SES using postal codes

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- Postal codes in HEMIS, but no SES information
- Census 2011 community profile SES indicators at the Small Area Level
- We map the Small Area Level (SAL) to postal codes(s) – i.e. there is overlap
- Our postal code indicators are a weighted sum of the share of the postal code represented by a specific SAL, and the SAL level indicators
- Important! In constructing the postal code level indicators, we aggregate information from a smaller geographical area, the SAL, to a larger geographical unit, the postal code.
- Caveat: we are assuming that students' socioeconomic circumstances are well represented by the average characteristics of the postal code in which they originate.

