

# An application of the School Census in migration research

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PLUG Conference, Bristol  
6<sup>th</sup> March 2012

# Study One

Initial settlement and subsequent dispersal  
of new immigrant groups

# Research Questions

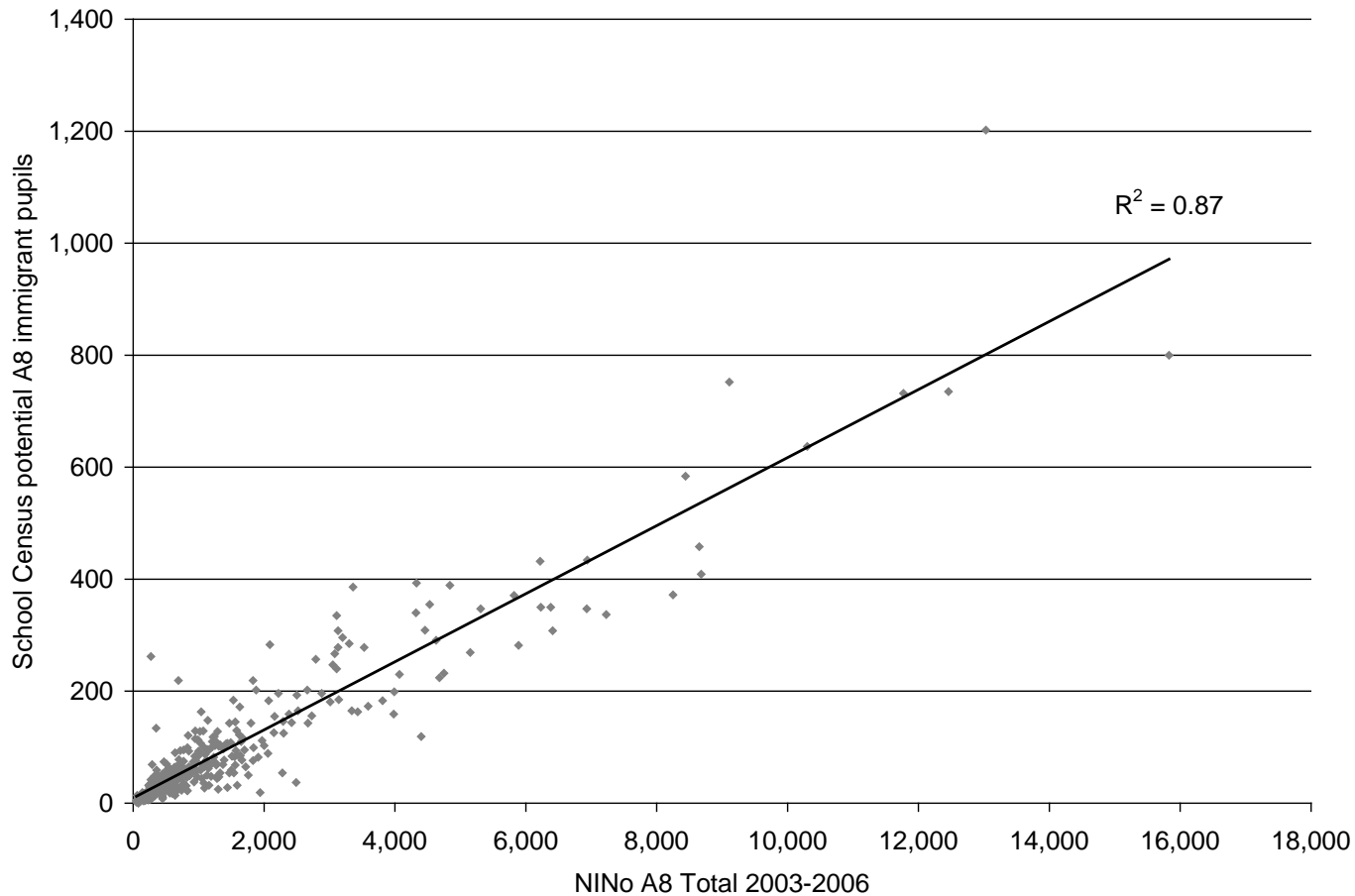
- Do migrants from A8 states concentrate in areas of historic immigration settlement?
- Does internal migration reinforce or weaken concentration in settlement areas?

# Measuring International migration

- No direct indicator immigration
- **Entry to school after age 5 where English is not first language** identifies likely immigrants
- **Leaving school before 15 where English is not the first language** identifies likely emigrants
- Include some non-international migrants
- Exclude international migrants to and from non-state education

# Comparison with NINo data

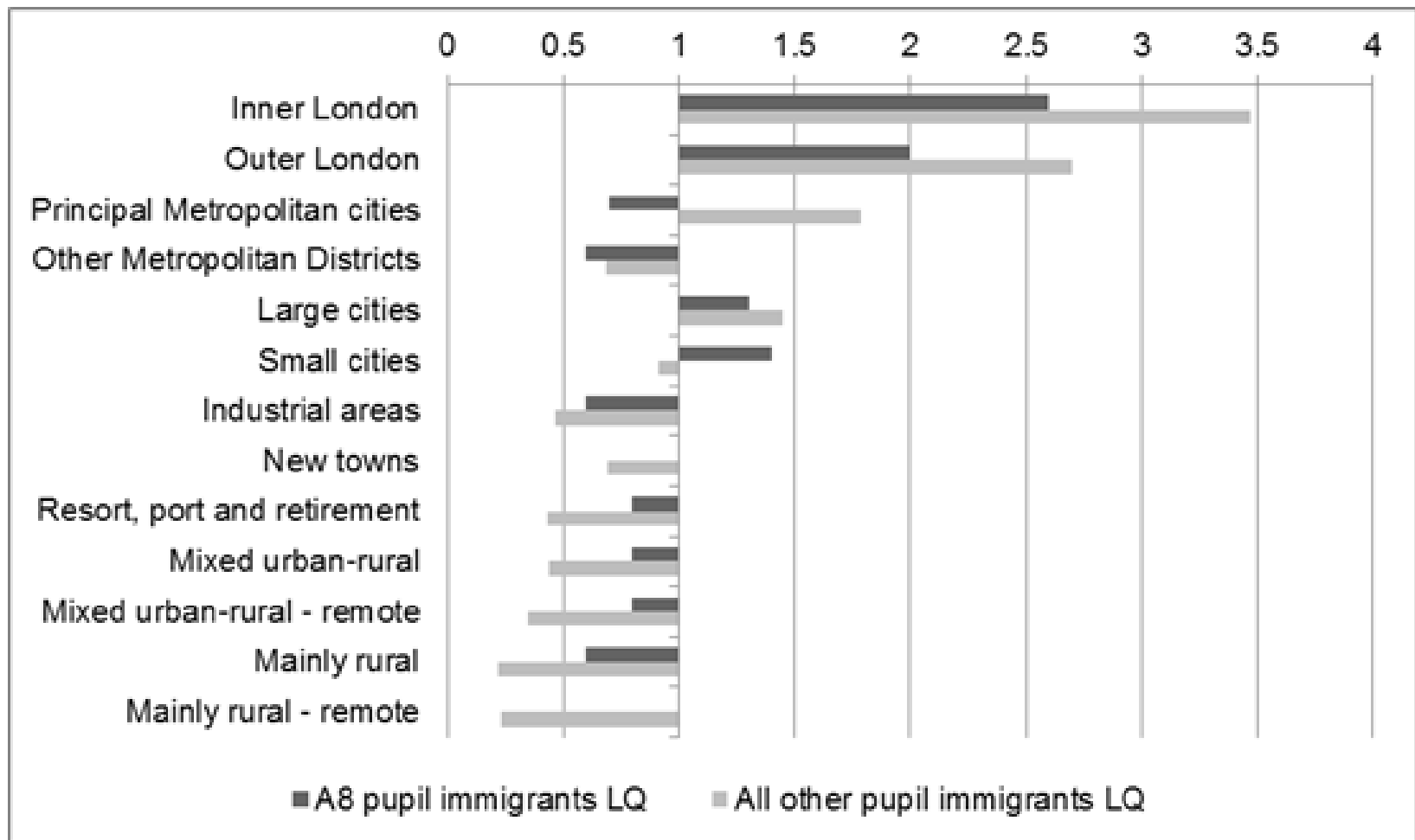
National Insurance Number allocations from A8 countries compared to pupils likely to be A8 immigrants, 2003-2006



Source: Simpson et al (2010)

# Geographical distribution

Pupil immigrant location quotients by district type, 2003-06



Source: Jivraj et al (forthcoming)

# Measuring Internal migration

- Direct measure using change of postcode
- Postcode matched to National Statistics Postcode Directory
- Exclusion of 2% of records with missing, invalid or terminated postcode
- Migration rates: population at risk
  - ‘Pupil years’: pair of consecutive years with valid postcodes
  - Important for comparison of immigrants and others

# Internal migration rate

Internal migration rates, 2004-06

	Migration rate			
	Pupil years	All moves	Between LAs	More than 10km
<b>A8 pupil immigrants</b>	22,878	34.4%	8.7%	4.4%
<b>All pupil immigrants</b>	125,842	30.3%	8.3%	5.0%
<b>All pupils</b>	27,522,128	10.7%	2.7%	1.9%

Source: Jivraj et al (forthcoming)



# Net internal migration (I)

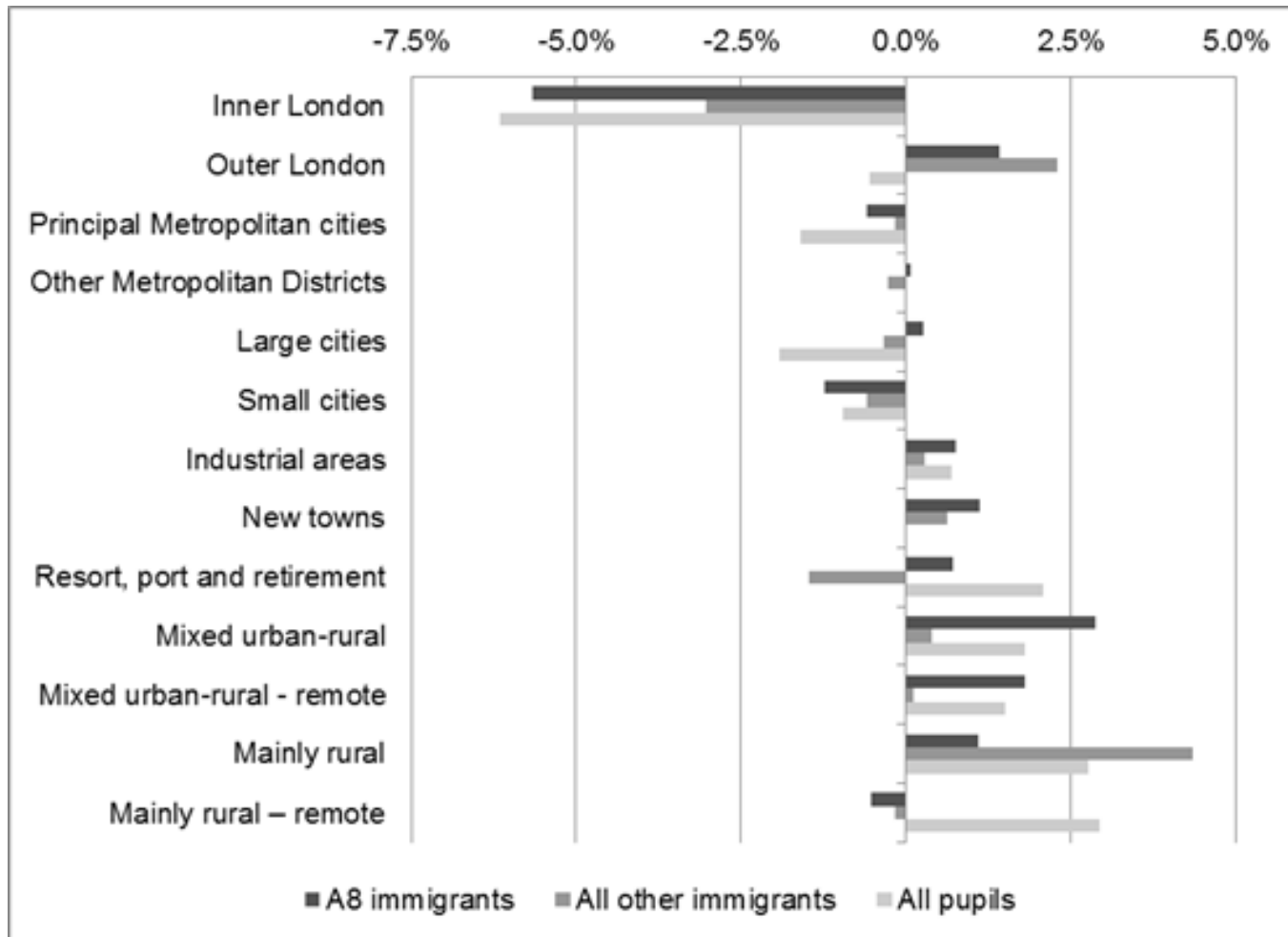
Net internal migration rate by concentration group, 2004-06

		Lowest concentration		Highest concentration	
		Quartile 1	Quartile 2	Quartile 3	Quartile 4
A8 immigrants	Net migration	175	45	-21	-199
	Rate (%)	2.23%	0.58%	-0.26%	-2.49%
All other immigrants	Net migration	13	74	66	-155
	Rate (%)	0.04%	0.25%	0.22%	-0.53%

Source: Jivraj et al (forthcoming)

# Net internal migration (II)

Net internal migration rate by district type, 2004-07



Source: Jivraj et al (forthcoming)

# Study Two

The components of socioeconomic  
neighbourhood change

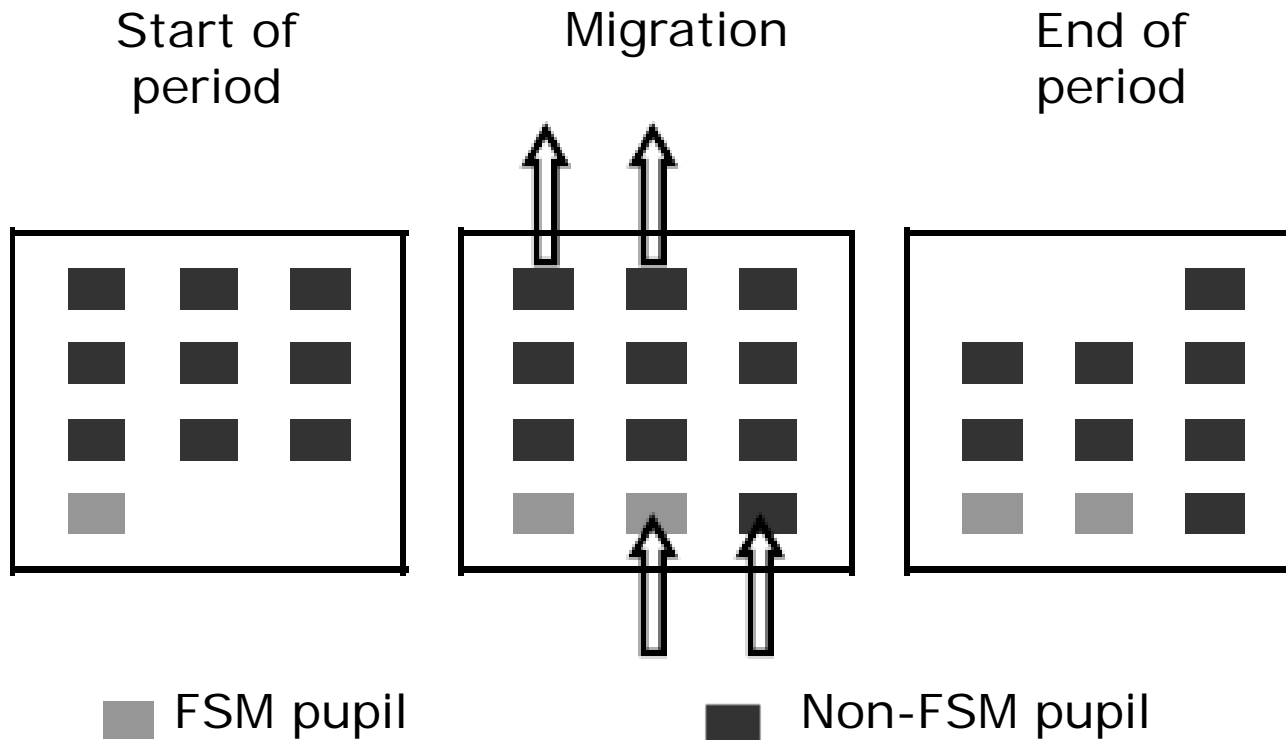
# Research Questions

- Are selective internal migration flows increasing the concentration of poor pupils in the most deprived neighbourhoods?
- Is internal migration the dominant process of socioeconomic neighbourhood change?

# Components of neighbourhood socioeconomic change

- Internal migration
- School turnover
- Proxy international migration
- In situ FSM status change
- Internal migration & FSM status change

# Selective Migration

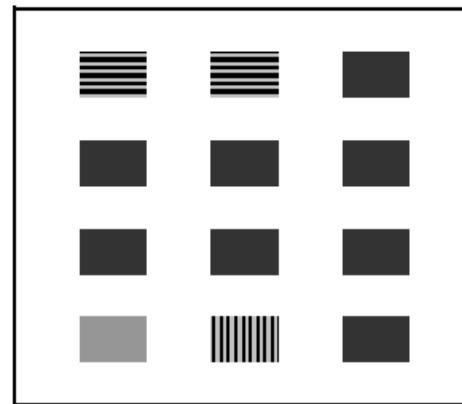


# In-situ Status Change

Start of Period




Status Change



End of Period



 FSM pupil

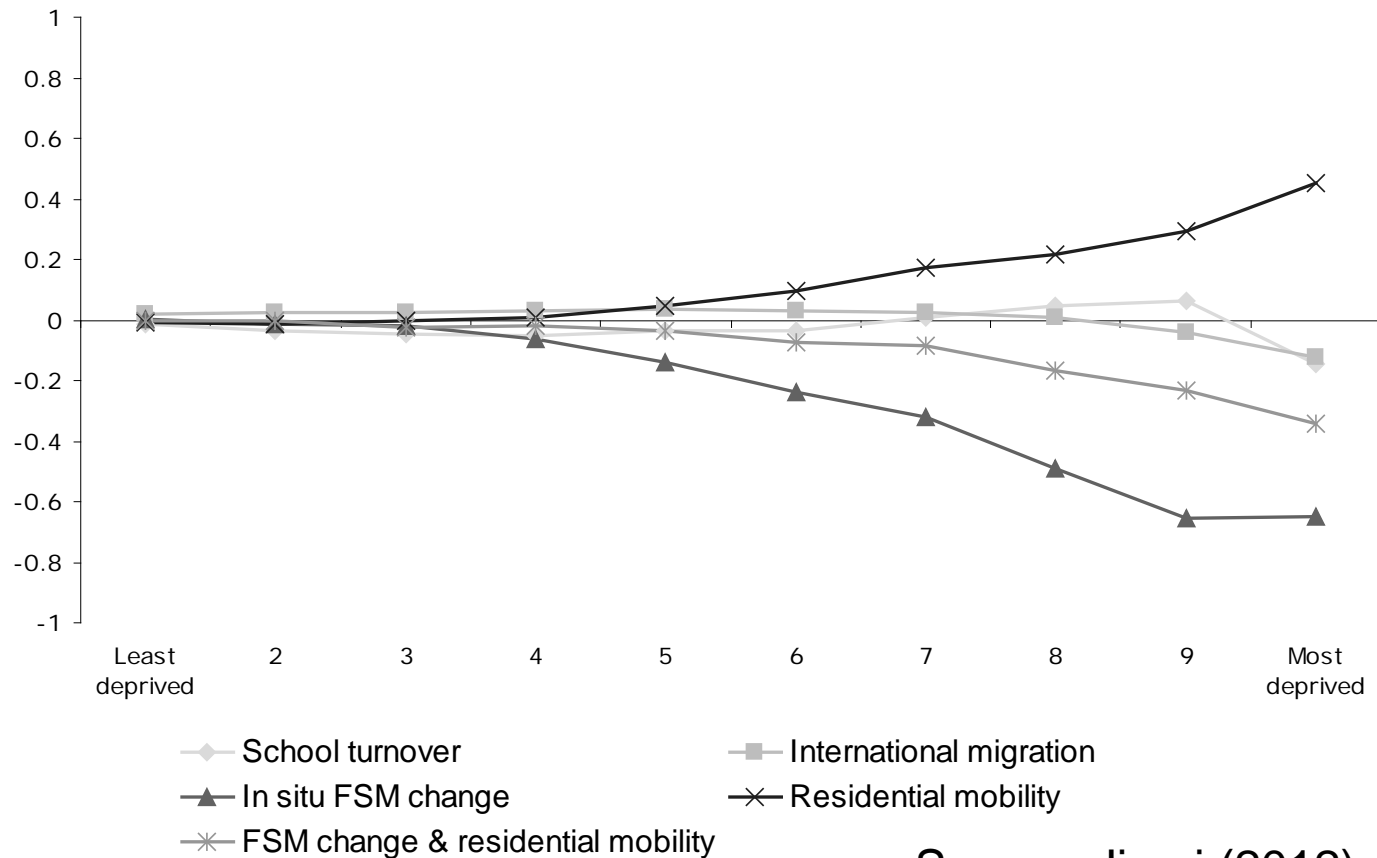
 Non-FSM pupil

 Improve FSM pupil

 Decline FSM pupils

# Neighbourhood socioeconomic change, 2002-2007

Percentage point change  
in FSM pupils



Source: Jivraj (2012)



# Summary findings

- School Census can provide evidence to address policy-based migration concerns
- Advantages:
  - Frequent updates
  - Fine geographical information
  - Indicators of ethnicity and low family income
- Limitations:
  - Proxy measure of international migration
  - Data errors and cleaning required
  - Barriers to access

# References

Jivraj S, (2012) Mechanisms of socioeconomic neighbourhood change: An analysis of School Census data in England in *Understanding neighbourhood dynamics: new insights for neighbourhood effects research*, Eds Van Ham M et al (Dordrecht, Springer)

Jivraj S, Simpson L, Marquis N, (forthcoming) *Local distribution and subsequent mobility of immigrants measured from the School Census in England*, Environment and Planning A.

Simpson L, Marquis N, Jivraj S, (2010) *International and internal migration measured from the School Census in England*, Population Trends, 140, pp. 106-124

# Useful links

NPD wikispaces:

- <http://nationalpupildatabase.wikispaces.com/>

Administrative Data Liaison Service:

- <http://www.adls.ac.uk/padls/>