

# Language data in UK census longitudinal studies

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- Describe the UK census longitudinal studies
- Outline why, when and how the topic of language features
- Give examples of what you can look at with language,
  - eg. changes over time in speakers of different languages
- Discuss previous language research using the longitudinal studies







# Language questions in UK...SUMMARY

COUNTRY	1971	1981	1991	2001	2011
Wales	Welsh ( <u>WELSH7</u> )	Welsh ( <u>WELSH8</u> )	Welsh (WELSH9)	Welsh (LANP0; LANRP0; LANSP0; LANUP0; LANWP0)	Welsh ( <u>LANRP11</u> ; <u>LANSP11</u> ; <u>LANUP11</u> ; <u>LANWP11</u> ); Main language ( <u>MAINLANG11</u> ); English proficiency ( <u>LANGPRF11</u> )
Scotland		Scottish gaelic	Scottish gaelic (GAELIC9)	Scottish gaelic (LANP0; LANRPS0; LANUPS0; LANSPS0; LANWPS0; LANNPS0)	Scottish gaelic (GAEL2P1); Language spoken at home(LANGP1); English proficiency (ENGSCOTP1)
N.Ireland			Irish	Irish	Irish (ILANUP1, ILANSP1, ILANRP1, ILANWP1, USLANUP1, USLANSP1, USLANRP1, USLANWP1, IRISH1P1, IRISH2P1, ULSTER1P1, ULSTER2P1);  Main language (MAINLANGP1); English proficiency (MAINLANGPRFP1)
England					Main language (MAINLANG11); English speaking proficiency (LANGPRF11)









# Language questions in the E, W & NI censuses

Can you understand, speak, read or write Welsh?  Tick all that apply.  Understand spoken Welsh  Speak Welsh	■ Native language ability (W & NI)
Read Welsh Write Welsh None of the above	
What is your main language?  □ English or Welsh → Go to 20 □ Other, write in (including British Sign Language)	Main language (E, W & NI)
How well can you speak English?  Very well Well Not well Not at all	English language speaking proficiency (E, W & NI if English not main language)

Welsh census form, 2011









# Language questions in the **SCOTLAND** census



Native language ability

English language speaking proficiency

Language used at home



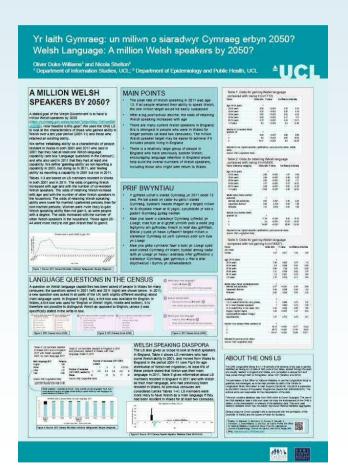








# Investigating language with the LS: example



A million Welsh speakers by 2050?

How feasible is this Welsh government goal?

Oli Duke-Williams & Nicola Shelton









Characteristics of people by change in Welsh language capability...

between 2001	&	2011
9 Can you understand, speak, read, or write Welsh?  ✓ all the boxes that apply.  ☐ Understand spoken Welsh ☐ Speak Welsh ☐ Read Welsh ☐ Write Welsh ☐ None of the above	Can you understand, speak, read of the control of t	or write Welsh

Census forms, 2001 & 2011 (ONS)









# Definitions of change in Welsh language capability

	Welsh langua	ge capability
	2001	2011
Retaining	≥1	≥1
Gaining	0	≥1
Losing	≥1	0

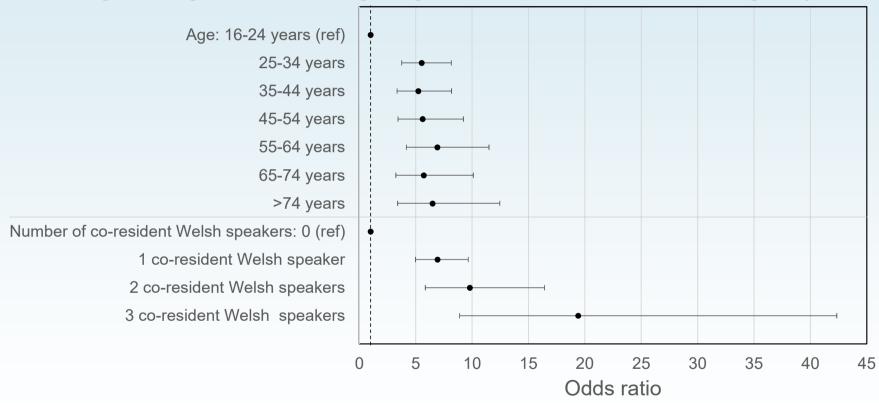






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#### Odds for gaining Welsh language compared with losing it (N=1713)



Adjusted for sex, highest education qualifications, socio-economic status and marital status. Source: ONS Longitudinal Study

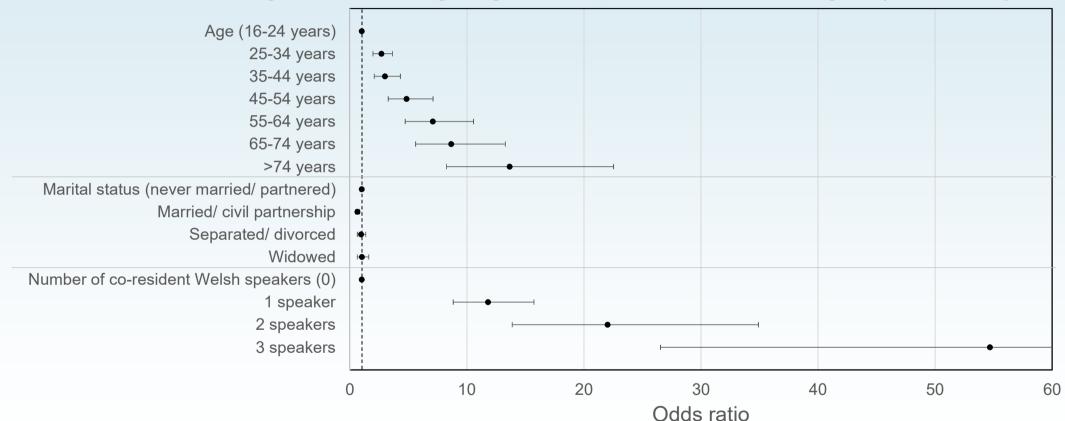








# Odds for <u>retaining</u> Welsh language compared with losing it (N=3533)



JK Data Service

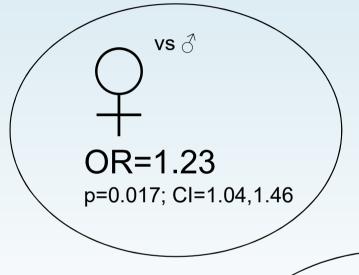
Adjusted for sex, highest education qualifications and socio-economic status.

Source: ONS Longitudinal Study





Odds for gaining Welsh language compared with not gaining it (N=18327)





**UK Data Service** 

vs no quals

OR=1.93
p<0.001; CI=1.47,2.53

3 co-resident
Welsh speakers vs 0

OR=110.47

p<0.001; CI=70.66,172.71



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Adjusted for socio-economic status. Source: ONS Longitudinal Study

# Odds for gaining Welsh language compared with not gaining it (N=18327)

Separated/divorced

vs never married/partnered

OR=0.66

p=0.008; CI=0.49,0.90

Married/partnered

vs never married/partnered

OR=0.47

p<0.001; CI=0.38,0.59

35-44yrs vs 16-24yrs

OR=0.60

p=0.004; CI=0.42,0.85

45-54 yrs vs 16-24 yrs

OR=0.64

p<0.020; CI=0.43,0.82

Adjusted for socio-economic status. Source: ONS Longitudinal Study









# "Welsh" as main language only explicit in England in 2011

England, 2011

Wales, 2011

vvn	at is your main language?
	English - Goto 20
1	
	Other, write in (including British Sign Language)

What is your main language?

English or Welsh Go to 20

Other, write in (including Britizion Sensul with (ONS)











#### Further investigations:

- LS members resident in Wales in 2001 and in England in 2011 with ≥1 Welsh language capability in 2001, by main language in 2011
- LS members resident in England in 2011 with main language Welsh in 2011, and previously resident in Wales

Source: ONS Longitudinal Study









#### Conclusions

- Many people in England report Welsh main language
  - More likely if previously resident in Wales for ≥ 2 censuses
    - ➤ Easier to achieve 1 million Welsh speaker target if include people in England
- Many people in England have previously spoken Welsh
  - Encourage retention to contribute to overall Welsh speaker numbers

Source: ONS Longitudinal Study









# Previous studies using language

Differential factors driving geographic variation in mortality in Scotland vs. England and Wales: the contribution of residential mobility and relative deprivation

Laura A. Kelly et al, University of Pennsylvania

Ethnic identification among immigrants and their descendants across three generations
Christel Kesler, Columbia University and Stephen Jivraj, UCL

Ethnic migration and mobility in England and Wales to 2011

Lucinda Platt, London School of Economics and Political Science et al

Exploring the relationships between time since immigration and language spoken

Oliver Duke-Williams and Rachel Stuchbury, UCL

Neighbourhood and social integration of mixed ethnic unions

Zhiqiang Feng, University of St Andrews et al







#### Access to data

- Available via support units, see <a href="https://calls.ac.uk/">https://calls.ac.uk/</a>
- Secure access: accredited researchers & approved projects







# Questions

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