Ethnicity and Inequalities in Health Expectancies

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InHALE -

Inequalities in Healthy Active Life Expectancy: the role of time, place, person and methods ESRC Research Fund RES-062-23-2970 1 October 2011 - 30 September 2014 http://research.ncl.ac.uk/InHALE

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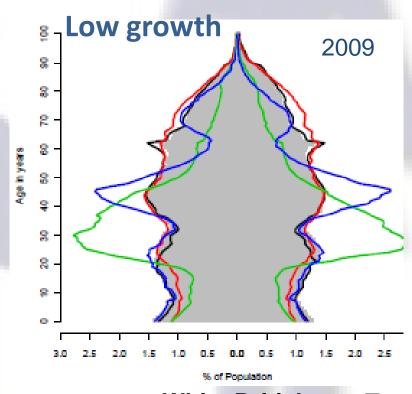


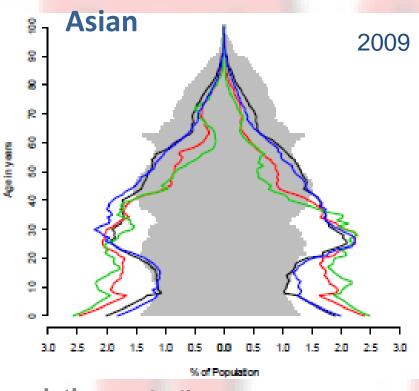




Rationale

Population ageing





White British White Irish

White Other
Black Caribbean

Total population

Indian
Pakistani
Bangladeshi
Other Asian

Rationale

30000000 ⊢

2000000 F

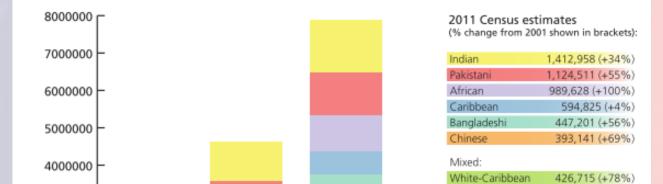
10000000

1991

Compositional change

Today (2011)

- ~14% of the population belong to ethnic minority group other than White
- 1 in 5 considers themselves as <u>not</u> White British



2011

White-African

White-Asian

Mixed Other

Other Asian

Other Black

Arab

Other

165,974 (+106%)

341,727 (+78%)

289,984 (+83%)

835,720 (+238%)

280,437 (+186%)

230, 600 (see note) 333,096 (+46%)

Figure 2. Growth in ethnic minority group population in England & Wales, 1991-2001-2011

Jivraj S. How has ethnic diversity grown 1991-2001-2011? In: Simpson LaJ, Stephen editor. *Dynamics of diversity: evidence from the 2011 Census.* Manchester: Centre on Dynamics of Ethnicity, The University of Manchester, 2012.

2001

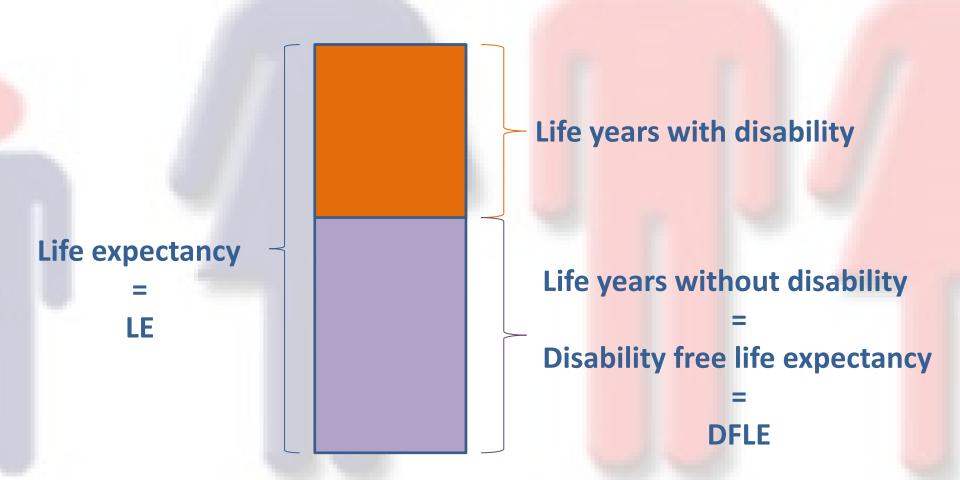
Research Questions

- How do health expectancies vary for ethnic groups in England and Wales?
- Are those differences significant?

Why don't we know this already?

→ Lack of mortality data for ethnic groups

What are health expectancies? Example: Disability free life expectancy



Ethnic groups England & Wales (2001) Self identified / 16 options

- White (British, Irish, Other)
- Mixed (White & Black Caribbean, White & Black African, White & Asian, Other)
- Asian or Asian British (Indian, Pakistani, Bangladeshi, Other)
- Black or Black British (Caribbean, African, Other)
- Chinese or Other Ethnic Group.

Data

• Mortality estimates for ethnic groups (Rees et al. 2009)

2 Census questions

11	Over the last twelve months would you say your health has on the whole been: Good? Fairly good? Not good?	Healthy life e	expectancy
Do you have any long-term illness, health problem or disability which limits your daily activities or the work you can do? Include problems which are due to old age. Disability free life			
*	Yes No		Expectancy -DFLE

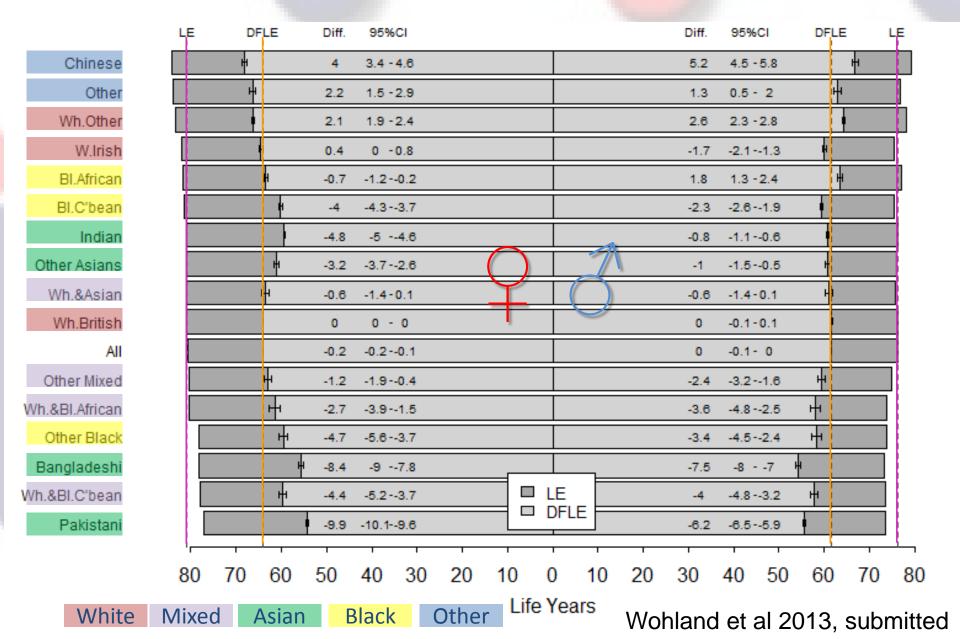
Sullivan method



Life expectancy and disability free life expectancy at birth

Ordered by Women LE Difference

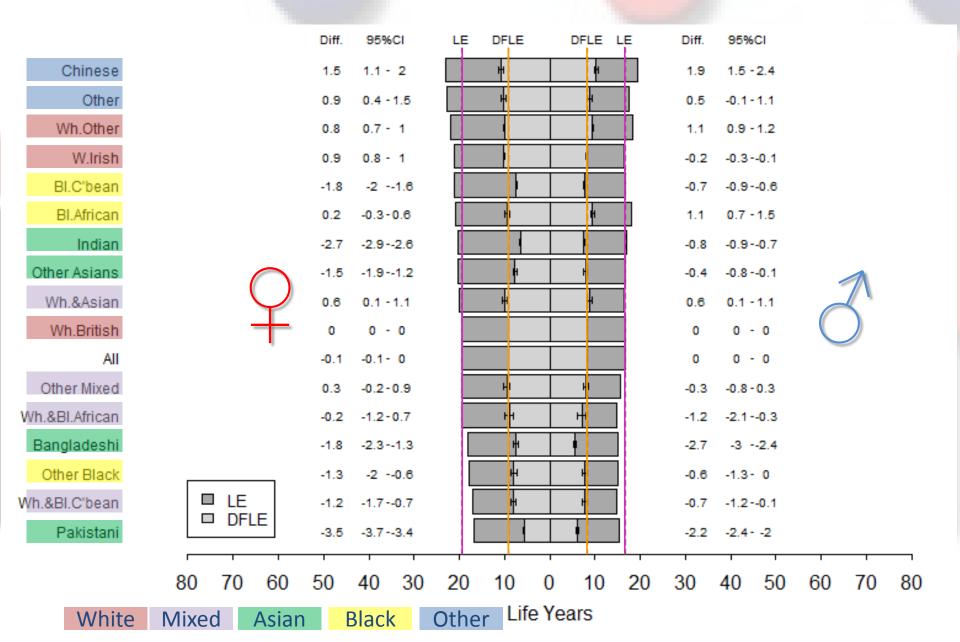
Differences compared to White British group



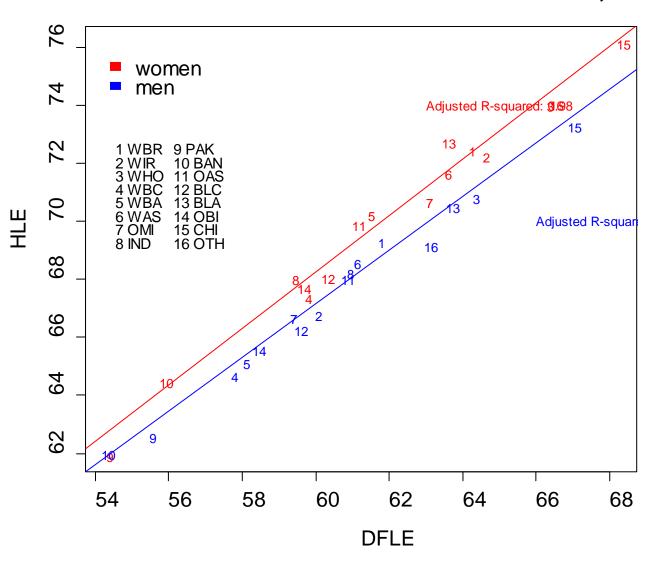
Life expectancy and disability free life expectancy at 65

Ordered by Women LE

Differences compared to White British group



DFLE & HLE at birth, ethnic



Summary

- Variation in DFLE at birth: men 12.7 years, women 13.9 years for women, double of life expectancy
- DFLE at birth highest for Chinese men & women
- Over half of ethnic groups (men:10, women:9) significantly lower DFLE than White British
- Low DFLE in some Black, Asian and Mixed ethnic groups, lowest: Bangladeshi men & Pakistani women
- Indian women LE similar to White British, but low DFLE

Conclusions and Discussions

- Mortality inequalities underestimate health inequalities
- Two Health expectancy measures more confident in results
- Not all variation explained by socioeconomic factors
- More non-White British people in population importance to pick ethnic groups at higher risk of disability to target appropriate interventions



THANKS

Questions?



Scotland - Edinburgh - REVES 2014

How does England and Wales compare to other countries?

References

- Data source: Adapted from data from the Office for National Statistics licensed under the Open Government Licence v.1.0.
- R Core Team (2012). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. ISBN 3-900051-07-0, URL http://www.R-project.org/.
- Rees PH, Wohland PN, Norman PD: The estimation of mortality for ethnic groups at local scale within the United Kingdom. Soc Sci Med; 2009 Dec;69(11):1592-607. PMID: 19781840.
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 - Jagger, C., B. Cox, S.L. Roy and THE EHEMU TEAM. 2007. Health expectancy calculation by the Sullivan method: a practical guide, 3rd edition [online]. EUROPEAN HEALTH EXPECTANCY MONITORING UNIT, France. http://www.ehemu.eu/pdf/Sullivan guide final jun2007.pdf

