

Depression, disability and life expectancy

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Overview

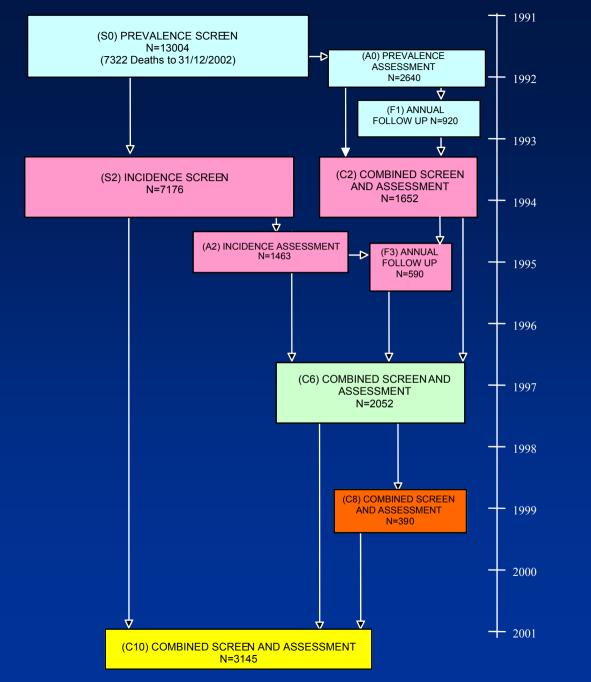
- Study design
- Depression free life expectancy
- Disability effect on depression free life expectancy
- Relationship between depression and disability
- Conclusions

MRC Cognitive Function and Ageing Study (MRC CFAS)

Five centres

- Stratified random sample aged 65+
- Includes those in institutions
- Ten years of followup
- death information from ONS



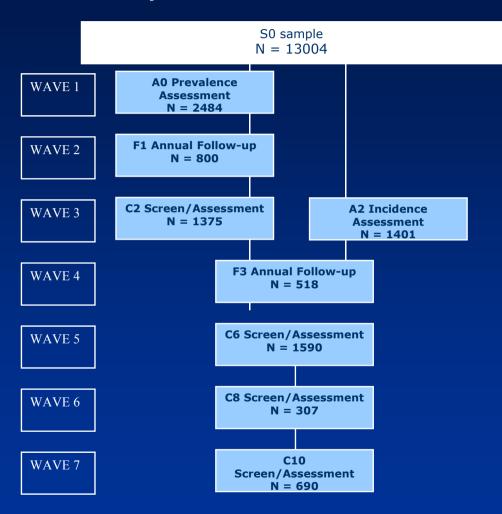


MRC CFAS STUDY DESIGN

MRC CFAS

- Depression measured at assessment interviews (AGECAT depression)
- Prevalence assessment
 - 20% subsample
- Year 2
 - 20% previous subsample
 - New 20% subsample
- Then every interview after that
- Disability at every interview, measured using heirarchical ADL disability score

Depression measurements



Methods

- IMaCh used to estimate disability and depression free life expectancy
- Separately in men and women
- Weights used to adjust for study design
- Deaths to end of 2005 included (n=2517)

 Life expectancies given for age 70 onwards

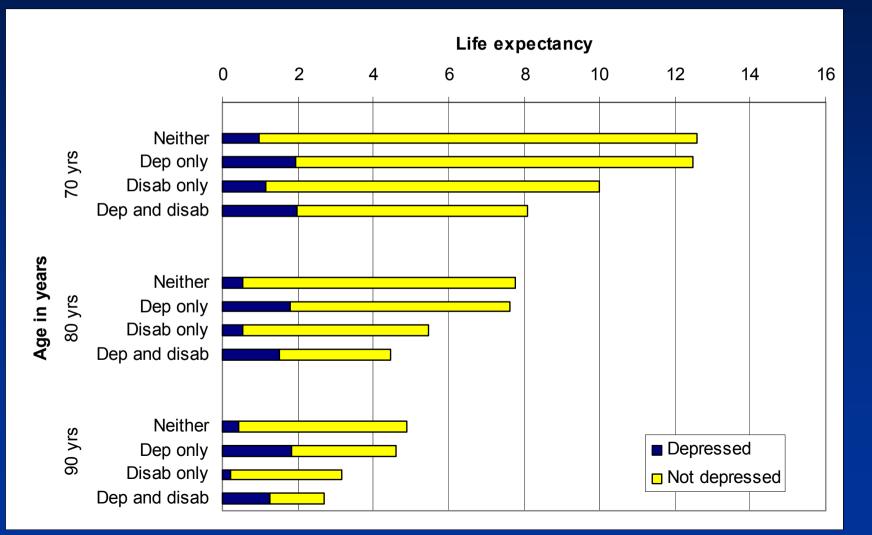
Numbers included

Baseline status	Number	%
Neither	1914	61
Depression only	186	5
Disability only	1484	29
Both	301	5

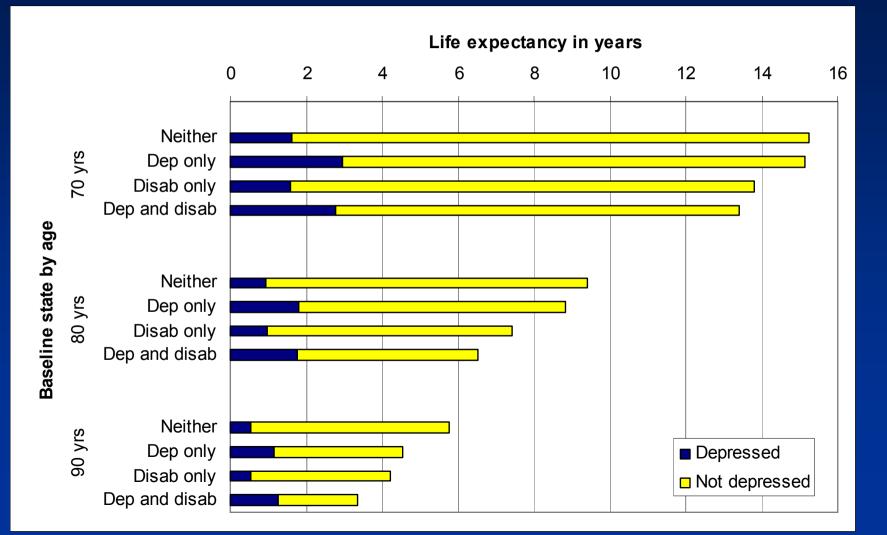
Life expectancy and life expectancy with depression free in men and women

Age	TLE	DepFLE	% free Depr.
Men 70 80 90	12.3 (11.9-12.7) 6.8 (6.5-7.1) 3.4 (3.1-3.6)	11.2 (10.8-11.7) 6.1 (5.9-6.4) 3.0 (2.8-3.3)	92 91 91
Women 70 80 90	14.7 (14.3-15.2) 8.5 (8.2-8.8) 4.4 (4.1-4.6)	13.0 (12.5-13.4) 7.4 (7.1-7.7) 3.8 (3.5-4.0)	88 87 87

Life expectancy with depression by status at each age (Men)



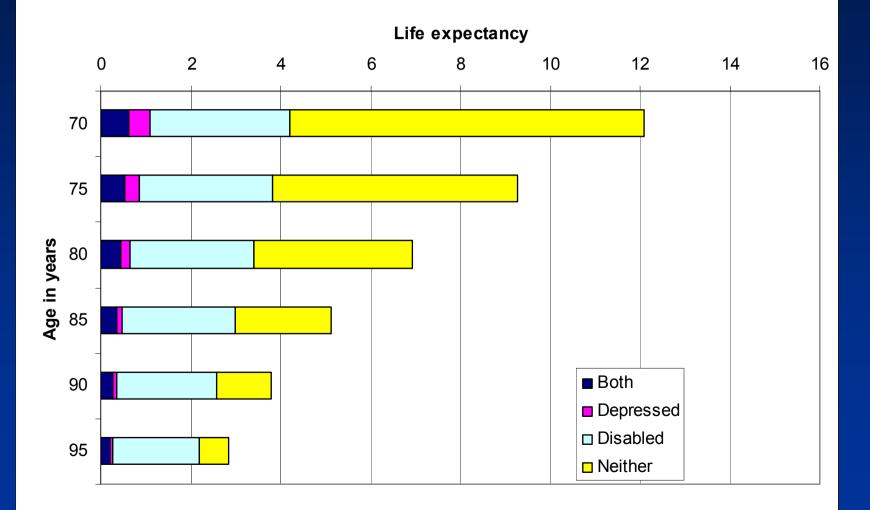
Life expectancy with depression by status at age (Women)



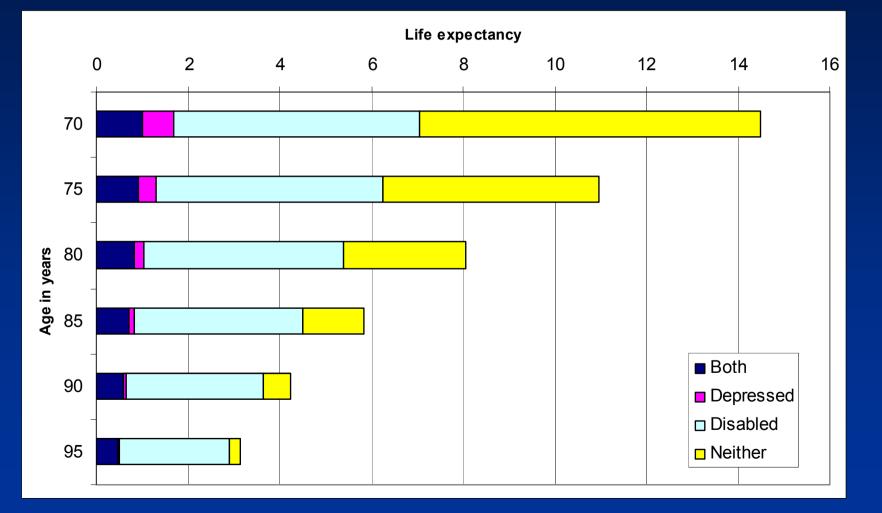
Results

- Depression is rare at all ages
- Women have higher burden than men, particularly at younger ages
- As expected individuals with disability have lower life expectancy
- Depression on its own does not effect TLE, but with disability does reduce it slightly
- But how do disability and depression vary with time?

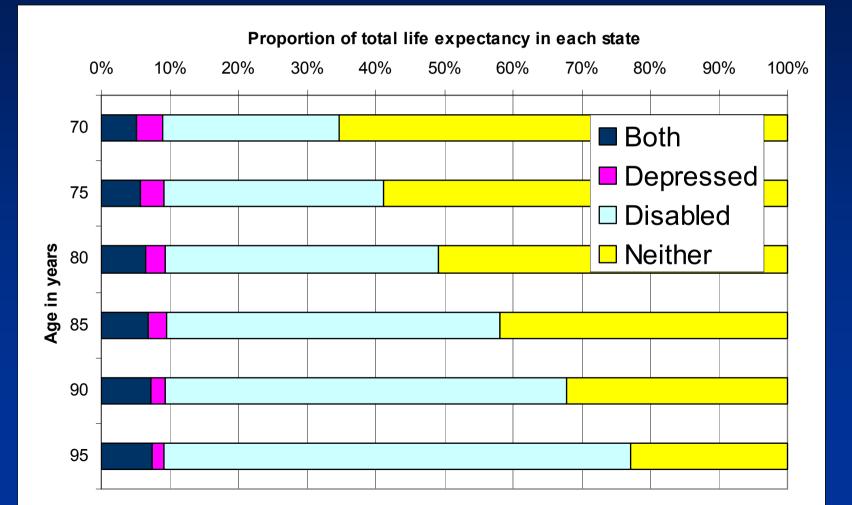
Time spent with depression, disability or neither (Men)



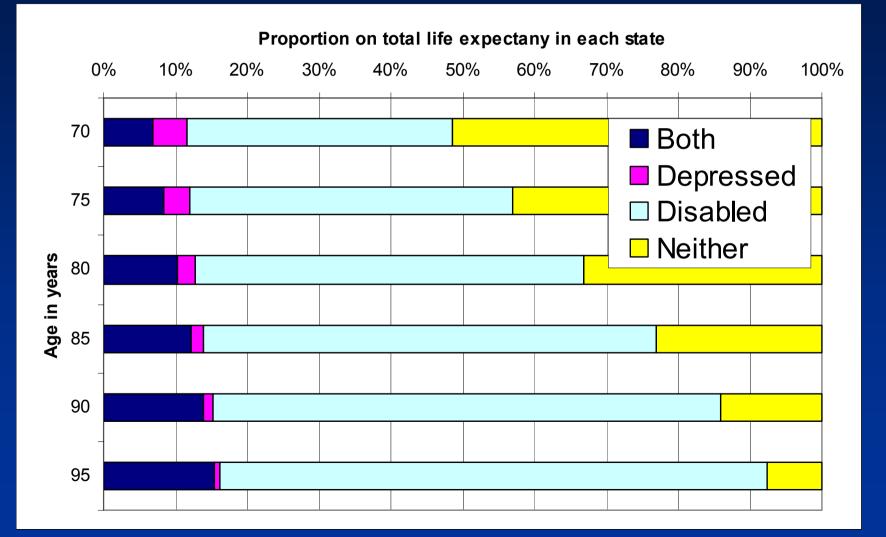
Time spent with depression, disability or neither (Women)



Proportion of time spent with disability, depression or neither Men



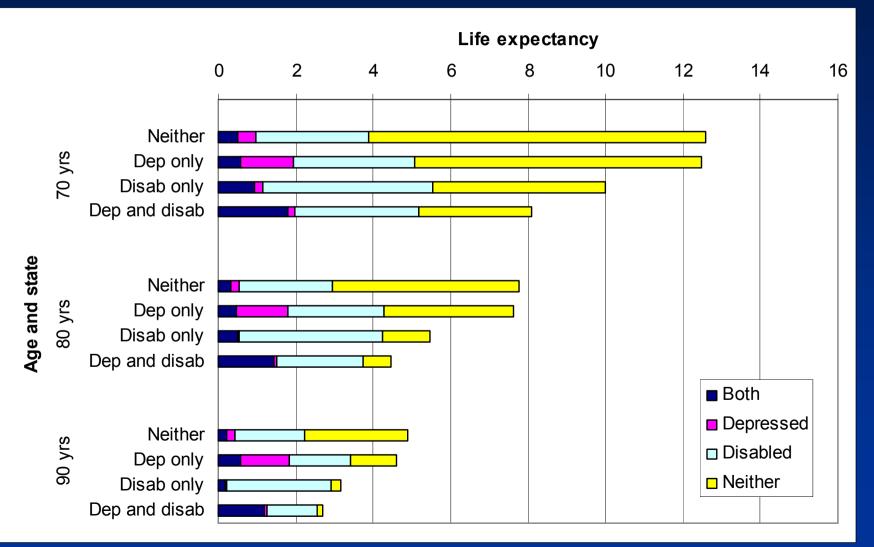
Women



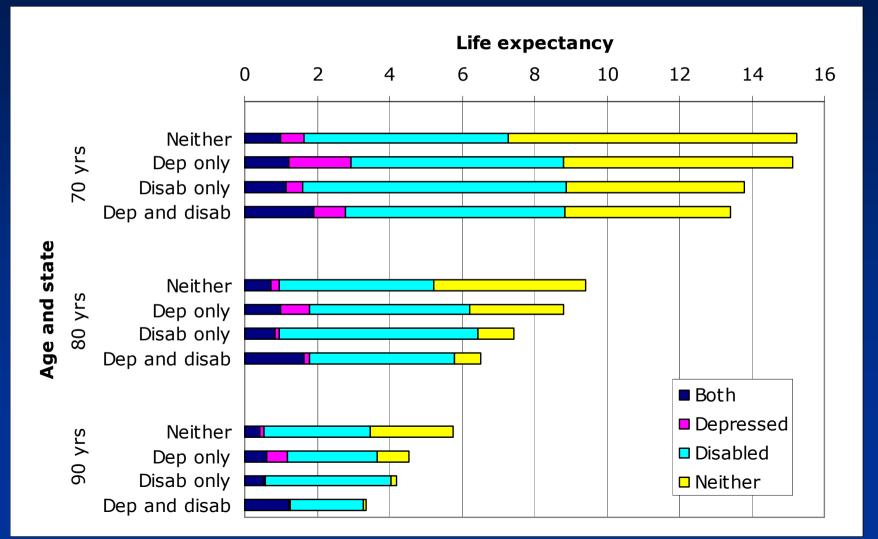
Results (2)

- Depression alone does decrease with age
- Depression and disability together increase with age so that in men there is a very similar time with depression overall
- In women there is a slight increase in the overall burden with depression
- Disability is far more common
- But what is the relationship between depression and disability at all ages?

Disability, depression or neither by state at age (Men)



Disability, depression or neither by state at age (Women)



Results (3)

- At older age recovery is rare for both depression and disability
- Individuals with disability are no more likely than those without to get depression
- Depression does creates an additional (treatable) burden which is likely to exacerbate physical symptoms.

Conclusions

- Clinical depression was rare at all ages
- Disability had a large effect on TLE
- Depression on its own had little effect on TLE
- Depression and disability together reduce TLE
- Recovery from depression was seen at all ages
- Recovery from disability was less common, particularly in the oldest age
- Treating depression could significantly improve quality of remaining life in the very old, even if it has no effect on the time spent with disability.

MRC Cognitive Function and Ageing Study (MRC CFAS - www.cfas.ac.uk)







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