













Combining the strengths of UMIST and The Victoria University of Manchester

















Causal direction and anticipated events: is time order enough? Early-retirement and health Does retirement impact on health? Problem of identifying causal direction.

- In a simple longitudinal model, retirement is related to an increased risk of experiencing new chest pain (~50%).
- After adjusting for health prior to retirement, this relationship remains. But is the adjustment enough?
- Use an 'instrument' to deal with 'endogenity', *i.e.* possible reverse causation: in this case use a variable representing yearly accrual of pension wealth.

Combining the strengths of UMIST and The Victoria University of Manchester Preliminary analysis





Retirement and depression: the meaning of events A transition model for those ≤ state pension age Modelling depression score at wave 2: ordinal logistic regression coefficients Basic model Remain working 0 Start working 0.02 (-0.40, 0.44) 0.44 (0.30, 0.60) Remain not working Become unemployed -0.05 (-0.71, 0.62) 1.16 (0.66, 1.67) Stop working, sick Start looking after the home -0.60 (-1.18, -0.03) Retire 0.04 (-22, 0.31) Combining the strengths of UMIST and The Victoria University of Manchester Models adjusted for gender, age and depression score at wave 1

Retirement and depression: the meaning of events A transition model for those ≤ state pension age

Modelling depression score at wave 2: ordinal logistic regression coefficients

	Undifferentiated model	Differentiated model	Differentiated model and health
Remain working	0	-	0
Start working	0.02 (-0.40, 0.44)	-	-0.12 (-0.55, 0.30)
Remain not working	0.44 (0.30, 0.60)	-	0.19 (0.03, 0.35)
Become unemployed	-0.05 (-0.71, 0.62)	-	-0.15 (-0.84, 0.54)
Stop working, sick	1.16 (0.66, 1.67)	-	0.49 (-0.02, 1.00)
Start looking after the home	-0.60 (-1.18, -0.03)	-	-0.61 (-1.19, -0.03)
Retire	0.04 (-22, 0.31)	n/a	n/a
Retire wealthy	n/a	-0.41 (-0.82, 0.01)	-0.46 (-0.89, -0.04)
Retire not wealthy	n/a	0.37 (0.03, 0.70)	0.29 (-0.04, 0.63)

Is it health or is it health-related retirement that is important?

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Models adjusted for gender, age and depression score at wave 1





White man, age 75, ex lorry driver, interviewed with his wife

R: I enjoy driving that's all there's to it ... Like as I say it's a bit rough at the moment with the cost of petrol and all that but we like to ... that's our pleasure getting around.

- W: We only can go out say once fortnight or a month now, can't we?
- R: If we can keep the car moving we're quite happy ... we bomb off to a different town nearly every week. When it's good weather we'll do over the mountain way to Aberystwyth and up round the dams (Laughs) some people think we're a bit crazy ... In the winter and that we're just the same, we go off out and ... the car's warm.
- W: It's warmer in the car than in here because we can't afford to have our central heating on all the time, can we ... ?
- R: It don't matter who you vote for ... that's out of all sense and reason what they've done to it. If you work out you're paying above four pound a gallon. Four pound a gallon for blooming petrol.

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White man, age 66, retired aged 58 We travel a lot. That's the other thing I do in my spare time, I do travel talks for the local hospice for charity. I did two last week actually. People like ... the groups like Probus ... retired businessman's association, and I talked to them about Japan where my daughter had lived for 4 years and we visited them quite a lot. So I do slide shows. And I did Peru on Friday ... I do those I suppose ... well once or twice a month I suppose. Have lunch and ... or evening sessions with different groups of people, talk to them about different places round the world that we've visited. When I was at the county high school I looked after Modern Languages for a period of time as a governor. And so I had a talk about ... the area around Avignon. So I had some slides and did a talk in French ... we then set a test for the youngsters. And we tried to make the subject live rather than ... you know. So I could bring from something outside into the school. You know with my own knowledge of languages, which is reasonable, and with [the teacher's] expertise we could actually together make the language more interesting than just learning for the sake of learning.

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