










# Collaborative care management improves physical functioning in older people with depression

Callahan CM, Kroenke K, Counsell SR, *et al.* IMPACT Investigators. Treatment of depression improves physical functioning in older adults. *J Am Geriatr Soc* 2005;**53**:367–73.

## Q Does collaborative care management improve physical functioning in older people with depression?

### METHODS

	<b>Design:</b> Randomised controlled trial.
	<b>Allocation:</b> Not clear.
	<b>Blinding:</b> Not clear.
	<b>Follow up period:</b> Twelve months.
	<b>Setting:</b> Eighteen primary care clinics in the USA; recruitment 1999 to 2001.
	<b>People:</b> 1801 people aged over 60 years with current major depressive or dysthmic disorder (DSM-IV).
	<b>Interventions:</b> Improving Mood: Providing Access to Collaborative Treatment (IMPACT) intervention or usual care. IMPACT collaborative care management consisted of participant education on late life depression (videotape and booklet) and 12 months' access to a depression clinical specialist who coordinated and monitored care with the participant's primary care physician, a liaison primary care expert, and a psychiatrist. Treatment was provided according to an approved algorithm. Usual care consisted of access to primary care and speciality mental health services.
	<b>Outcomes:</b> Physical functioning (instrumental activities of daily living (IADL; range 0–7) and physical component summary of the 12 item Short Form (PCS; range 0–100) scores). Higher PCS and lower IADL scores indicate better physical function.
	<b>Patient follow up:</b> 96% at 12 months' follow up.

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### MAIN RESULTS

Collaborative care management significantly improved physical functioning compared with usual care at 12 months (mean PCS scores: 40.91 with collaborative care management *v* 39.17 with usual care,  $p < 0.001$ ; mean IADL scores: 0.73 with collaborative care management *v* 0.89 with usual care,  $p = 0.04$ ).

### CONCLUSIONS

Collaborative care management improves physical functioning compared with usual care in older people with depression.

### Commentary

The Improving Mood: Providing Access to Collaborative Treatment (IMPACT) reported by Callahan *et al* addresses an important question: how can we improve or at least maintain the level of physical functioning in older depressed adults? Although the parallel between decline in physical functioning and worsening of depression has been established by many studies, there have been few studies of interventions aimed at attenuating this decline.

The large sample size and inclusion of people with comorbidities in the IMPACT study make the study population more likely to be a representative of older depressed adults. However, one limitation is that more than three quarters of the sample was white, which may affect the generalisability of the findings. Another issue of concern identified by the authors, is how to interpret the improvement of 1.7 points on the 100-point Short Form physical functioning scale seen with the intervention. Although the improvement is statistically significant, whether it is clinically significant is unclear. Furthermore, discerning whether the effect seen can be attributed to a particular component of the intervention, and the extent to which the effect on physical function is dependent on improvement of depression requires further investigation.

Callahan *et al* show that treatment of depression among older adults can improve or at least maintain physical functioning. Implementing such a collaborative care management model across primary care<sup>1</sup> may increase the independence of older adults with depression and reduce the strain on family members and healthcare providers.

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<sup>1</sup> Unutzer J, Katon W, Callahan CM, *et al.* Collaborative care management of late-life depression in the primary care setting. *JAMA* 2002;**288**:2836–45.