# double women's risk of heart attach cium pills for strong bones may

### well as health benefits Trial suggests risks as

#### more research needed Report's critics say

Nigel Hawkes Health Editor

strengthen their bones could be doubling their risk of a heart attack. Calcium pills taken by older women to

evidence had suggested that calcium reducing the risk of fractures. as well as making stronger bones and gave protection against heart disease involving nearly 1,500 women in New The conclusion, reached after a trial surprising: previous

pills slow the loss of bone density and every year in Britain, and many more calcium supplements are written the new trial suggests that against that There is good evidence that calcium women buy them over the counter reduce the risk of fractures. However Almost 600,000 prescriptions for

must be set a greater risk of heart

group, and 19 in the placebo group. Some women in both groups had more numbers affected were 31 women in than one heart attack, so the actual were 45 heart attacks in the calcium the other a placebo. In five years, there allocated calcium supplements, and average age of 74. One group was land identified 1,471 women with an he calcium group, and 14 in the place-A team at the University of Auck-

significance only narrowly. The risk of such that this result reaches statistical doubled. But the size of the study was Therefore the risk was more than

gests that this matter needs to be constroke was not increased significantly. The authors conclude in British Meddiovascular effect of calcium but sugnot unequivocally show an adverse carical Journal online that the study "does idered carefully before calcium supple-

records and death certificates to identmentation can be broadly advocated". The team also checked hospital

ify any heart attacks or strokes they had missed. When these were added result did significance. in the calcium group (36 versus 22), a 49 per cent increase in risk. But this heart attacks were still more common they weakened the effect - although not reach statistical

er women randomised to calcium sup-The authors conclude: "Healthy old

#### medical advice should not stop without 'People taking calcium

of myocardial infarction [heart attack] plementation showed increased rates This could outweigh any benefits on

Judy O'Sullivan, of the British Heart proving the levels of protective cholessearch is needed ... as previous studies vised by their doctor to take calcium terol, HDL. Anyone who has been adduce the risk of heart attacks by imhave shown calcium supplements re-Foundation, said: "More rigorous re-

study alone without medical advice." supplements to protect their bones should not stop doing so in light of this

of more research needed." on cardiovascular health. This is a case supplementation has adverse effects tecting against cardiovascular disease. efits of calcium supplementation in prorate: "Previous studies have found benstudy was small for what it was trying resents manufacturers, said that the It is too early to conclude that calcium ments Information Service, which repto measure, and had a high dropout Pamela Mason, of the Health Supple-

against that of a heart attack. Heart by further studies, women will have to balance the benefits of stronger bones problems are quite common in this age group, so added risk is meaningful If the extra heart risk is confirmed

bone loss in the hip by 46 per cent people aged 50 or over, and reduced duced fracture risk by 12 per cent in ered all the evidence on bone density um, or calcium plus vitamin D, reand fracture risk, and found that calci-A recent study in The Lancet gath-

can all influence the risk of

Genetics, diet and exercise

## Osteoporosis



230,000 fractures as a result of it Three million people in Britain Every year there are more than younger women may also suffer menopause, though men and women over the age of have osteoporosis. It affects mainly

admitted to hospital with such About 10 per cent of those fracture die within 30 days of nip, tractured neck or femur The most serious are a broken

such as bisphosphonates supplements, a range of with calcium and/or vitamin D normone treatments or drugs Osteoporosis can be treated