長照機構住民較大的身體質量指數與腰圍有較低的死亡率 CIRCUMFERENCE ARE ASSOCIATED WITH LOWER MORTALITY IN CHINESE LONG-TERM CARE LARGER BODY MASS INDEX AND WAIST FACILITY RESIDENTS

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waist circumference (WC) and all-cause mortality of Chinese residents in long-term care facilities in Taiwan. OBJECTIVES: To investigate the association between body mass index (BMI) and

DESIGN: Prospective cohort study.

SETTING: Eight long-term care facilities in Taiwan.

78.4, range 60-101; 156 men, 198 women) were recruited during the study period PARTICIPANTS: Three hundred fifty-four residents aged 60 and older (median

baseline. Mean BMI was $21.7 \pm 4.2 \text{ kg/m}(2)$ (range 11.6-35.3 kg/m(2), and mean WC Health in Taiwan was 82.4 ± 10.9 cm (range 55.0-124.0 cm). Mortality data were from the Department of MEASUREMENTS: Anthropometrics and metabolic parameters were measured at

obesity status, the subjects in the two highest BMI quartiles had a lower mortality rate cm) had a significantly lower mortality rate than did subjects in the lowest quartile (BMI, mellitus, subjects in the highest quartile of BMI (27.3 \pm 2.8 kg/m(2)) and WC (96.7 \pm 7.4 for age, sex, albumin, Karnofsky performance status scale, hypertension, and diabetes than those in the lowest BMI quartile but only in the central obesity group (≥ 90 cm in $16.7 \pm 1.7 \text{ kg/m}(2)$; WC, $69.6 \pm 4.2 \text{ cm}$). After further stratification according to central RESULTS: There were 219 deaths during the 5 years of follow-up. After adjusting 102

men or ≥ highest versus lowest BMI quartile was 0.17 (95% confidence interval = 0.05-0.57). 80 cm in women). The adjusted relative risk for all-cause mortality in the

older Chinese adults living in long-term care facilities. Participants with higher WC and BMI had lower all-cause mortality. CONCLUSION: BMI and WC were negative predictors for all-cause mortality in