B All-cause mortality [Al-ECG(+) vs. Al-ECG(-)] Internal test set **Community test set** event/n HR (95% CI) 50 50 Sex, age-adj HR: Sex, age-adj HR: Internal test set 2.50 (2.19, 2.85) 1.97 (1.73, 2.24) AI-ECG (+) (mean age = 57) AI-ECG (+) (mean age = 60) All-cause mortality (%) All-cause mortality (%) HT 87/745 1.30 (0.83, 2.05) AI-ECG (-) (mean age = 53) Reference AI-ECG (-) (mean age = 58) Overt HT 14/265 0.86 (0.25, 2.87) Subclinical HT 72/437 1.59 (0.97, 2.61) non-HT 816/13675 2.53 (2.20, 2.91) Community test set 10 HT 82/726 1.51 (0.97, 2.37) Overt HT 12/287 0.77 (0.24, 2.50) 1.69 (1.03, 2.76) Subclinical HT 67/400 2.5 7.5 7.5 5 10 2.5 5 10 years years non-HT 857/10772 1.96 (1.72, 2.25) Number at risk/event rate (%) Number at risk/event rate (%) 0,5 0,1 1,0 1,5 2,0 3879 139 16 3429 1373 23 1187 Sex, age-adj HR (0.0%)(15.4%)(20.0%)(25.9%)(33.1%)(0.0%)(13.6%)(18.8%) (24.3%)(26.2%) 10541 3726 1521 430 48 8069 3827 1787 631 62 (9.2%)(0.0%)(5.4%) (7.5%)(11.5%) (0.0%)(5.6%)(8.6%) (11.9%) (16.1%) New-onset HF [Al-ECG(+) vs. Al-ECG(-)] 50 50 event/n HR (95% CI) Sex, age-adj HR: Sex, age-adj HR: AI-ECG (+) (mean age = 57) 2.94 (2.39, 3.63) 2.21 (1.82, 2.68) AI-ECG (+) (mean age = 58) Internal test set New-onset HF (%) New-onset HF (%) AI-ECG (-) (mean age = 55) AI-ECG (-) (mean age = 57) Reference Reference HT 36/606 2.82 (1.22, 6.55) Overt HT 13/225 1.37 (0.34, 5.54) Subclinical HT 22/359 4.90 (1.43, 16.78) non-HT 321/9614 2.83 (2.27, 3.53) 10 **Community test set** HT 35/612 2.18 (1.04, 4.58) Overt HT 16/256 5.67 (0.74, 43.60) 10 2.5 7.5 10 2.5 7.5 years years Subclinical HT 17/325 1.44 (0.55, 3.77) Number at risk/event rate (%) Number at risk/event rate (%) non-HT 377/8998 2.14 (1.74, 2.62) 3024 2780 1056 11 0.8.1,0,50 40 80 60 (14.9%)(0.0%)(7.7%)(10.5%)(12.0%)(20.1%)(0.0%)(7.7%)(10.6%) (12.4%)7196 3053 1224 335 25 6830 3196 1486 496 36 Sex, age-adj HR (0.0%)(2.3%)(3.1%)(4.9%)(8.3%)(0.0%)(3.1%)(4.5%)(5.7%)(6.8%)