

# Hypertension Change Package Algorithm

- Widely acceptable and effective algorithm using inexpensive combination therapy
- May lead to under-dosing of Hydrochlorothiazide (HCTZ) (failure to intensify dose)
- Effective dose for blood pressure (BP) reduction and cardiovascular (CV) outcome for HCTZ is 25-50 mg day, not 12.5-25 mg/day commonly used in primary care settings
- Evidence of increased BP control rates and reduction in BP control
- However, BP control gap exists between African American and non-African American hypertensives with use of this algorithm



**Set Blood Pressure (BP) goal and initiate therapy with:**  
 1. Lifestyle modification  
 2. Low dose Angiotensin-converting enzyme inhibitors (ACEi)/diuretic or Angiotensin receptor blocker (ARB) /diuretic combination\*

