

Depression in Adults: Screening
Release Date: January 2016

Recommendation Summary		
Population	Recommendation	Grade (What's New?)
General adult population, including pregnant and postpartum women	The USPSTF recommends screening for depression in the general adult population, including pregnant and postpartum women. Screening should be implemented with adequate systems in place to ensure accurate diagnosis, effective treatment, and appropriate follow-up.	B

Depression in Children and Adolescents: Screening
Release Date: February 2016

Recommendation Summary		
Population	Recommendation	Grade (What's New?)
Adolescents aged 12 to 18 years	The USPSTF recommends screening for major depressive disorder (MDD) in adolescents aged 12 to 18 years. Screening should be implemented with adequate systems in place to ensure accurate diagnosis, effective treatment, and appropriate follow-up.	B
Children aged 11 years or younger	The USPSTF concludes that the current evidence is insufficient to assess the balance of benefits and harms of screening for MDD in children aged 11 years or younger.	I

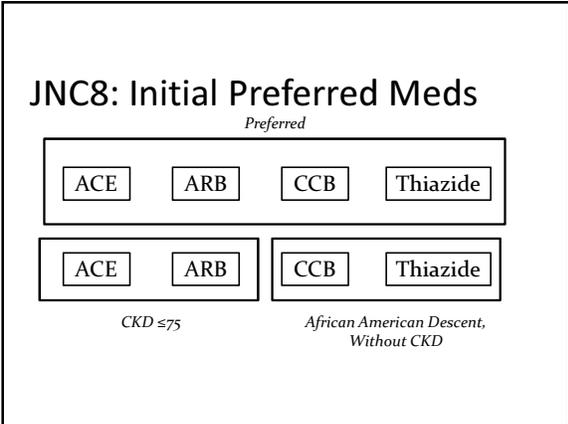
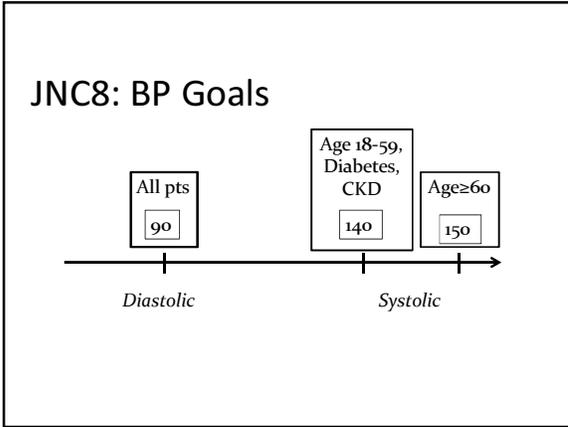
U.S. Preventive Services Task Force

Abnormal Blood Glucose and Type 2 Diabetes Mellitus: Screening
Release Date: October 2015

Recommendation Summary		
Population	Recommendation	Grade (What's New?)
Adults aged 45 to 70 years who are overweight or obese	The USPSTF recommends screening for abnormal blood glucose as part of cardiovascular risk assessment in adults aged 45 to 70 years who are overweight or obese. Screening should be implemented with adequate systems in place to ensure accurate diagnosis, effective treatment, and appropriate follow-up.	B

What's up with hypertension?

- USPSTF Recommends screening for high blood pressure in adults aged 18 and older. The USPSTF recommends obtaining measurements outside of the clinical setting for diagnostic confirmation before starting treatment.
- JNC 8
- SPRINT TRIAL
- HOPE-3 TRIAL



SPRINT Trial

SPRINT: A Trial of Intensive Blood Pressure Lowering

Alan S. Jaffe, MD reviewing The SPRINT Research Group. N Engl J Med 2015; Nov 9; 373:1663-1671

Testing to a systolic target of 120 mm Hg lowered the incidence of adverse cardiovascular events in a high-risk population.

For years, clinicians have debated how far to lower blood pressure (BP) in hypertensive patients. The multicenter Systolic Blood Pressure Intervention Trial (SPRINT) now provides some guidance.

SPRINT researchers enrolled 3317 patients (age, 50-80) with systolic BP of 130 to 180 mm Hg and high cardiovascular (CV) risk (defined as one or more of these: known symptomatic or asymptomatic CV disease, chronic kidney disease [CKD] with glomerular filtration rate [GFR] 20-59 mL/min/1.73 m², 10-year Framingham CV risk ≥10%, or age ≥75). Patients with diabetes, and stroke, were excluded. Patients were randomized to either intensive or standard treatment (systolic BP targets, 120 vs 160 mm Hg, respectively). The protocol included general guidelines for choice of antihypertensive agents, but researchers were permitted discretion in choosing drug regimens. Diuretics, angiotensin-converting enzyme inhibitors or angiotensin-receptor blockers, calcium-channel blockers, and β-blockers were used extensively. During the trial, intensive and standard-treatment patients required average of three and four drugs, respectively.

The trial was terminated early, after median follow-up of 3.3 years, during which participants' average systolic (BP) were 121.5 mm Hg and 154.6 mm Hg in the intensive and standard-treatment groups, respectively. The primary composite outcome (myocardial infarction [MI], nonfatal acute coronary syndrome, stroke, heart failure, or CV-related death) occurred in 5.2% of intensive-treatment patients and 8.6% of standard-treatment patients (P<0.001). Relative reductions in this outcome were similar in subgroups of patients with CKD and of patients older than 75. The individual components of the composite outcome were significantly lower with intensive treatment—heart failure (2.7% vs 4.2%) and CV-related death (3.9% vs 5.1%). All-cause mortality also was significantly lower with intensive treatment (3.7% vs 5.1%).

Several serious adverse events were significantly more common with intensive than with standard treatment: incidence of hypotension, syncope, and electrolyte abnormalities were each about 1 percentage point higher, and incidence of acute kidney injury was about 2 percentage points higher. Among patients without CKD or having the incidence of a ≥30% decline in GFR was significantly greater with intensive treatment (3.8% vs 1.7%).

Thank You