$Summary\ of\ guidelines\ used\ for\ defining\ hypertension\ in\ published\ research\ among\ adolescents\ aged\ 10-19\ years\ in\ SSA$

Guideline	Year	Remarks
National Heart, Lung and Blood Institute (NHLBI) Task Force Report on Blood Pressure Control in Children (<i>First Report</i>)	1977	 Children and adolescents (up to 19 years) Hypertension (HTN) – Blood pressure (BP) ≥ 95th percentile for age and sex First reference population (9283)
NHLBI Report of the Second Task Force on Blood Pressure Control in Children (Second Report)	1987	 Children and adolescents (up to 18 years) "High normal BP" was first introduced, BP between the 90th and 95th percentile for age and sex. Hypertension was further classified into significant HTN (SBP or DBP between the 95th and 99th percentile for age and sex) and severe HTN (SBP or DBP at or above the 99th percentile) Indicated need for repeat BP measurements to confirm a diagnosis Reference population increased to 74,429 Advocated for accurate identification of children with hypertension, investigation to identify children with secondary hypertension
NLBI Update on the 1987 Task Force Report on High Blood Pressure in Children and Adolescents (<i>Third Report</i>)	1996	 Children and adolescents (up to 18 years) Provided details on the relationship between height and BP. BP percentile distribution by age, sex, and height
NHLBI Task Force <i>Fourth Report</i> on the Diagnosis, Evaluation, and Treatment of High Blood Pressure in Children and Adolescents	2004	 Children and adolescents (up to 17 years) "Prehypertension" was introduced to replace "high normal BP" Automated BP devices are recommended. If BP measurement is high using an automated device, auscultatory methods should beware used for confirmation HTN further classified into Stage 1 (BP ≥95th and ≤ 99th percentile + 5mmHg) and Stage 2 (BP > 99th percentile + 5mmHg)
Ambulatory blood pressure monitoring in children and adolescents: Recommendations for standard assessment	2008	 Children and adolescents (up to 17 years) White coat hypertension: >95th percentile (office BP) + < 95th percentile (mean ABPM) + < 25% (SBP load) Masked hypertension: <95th percentile (office BP) + >95th percentile (mean ABPM) + > 25% (SBP load) Prehypertension: >95th percentile (office BP) + <95th percentile (mean ABPM) + 25% to 50% (Systolic load) HTN: >95th percentile (office BP) + >95th percentile (mean ABPM) + 25% to 50% (Systolic load) Severe HTN: >95th percentile (office BP) + >95th percentile (mean ABPM) + >50% (Systolic load)
European Society of Hypertension (ESH) - Management of high blood pressure in children and adolescents	2009	 Children and adolescents (up to 17 years) High BP (Prehypertension and HTN) defined the same as the criteria for the 2004 Fourth Report High normal BP: SBP and/or DBP ≥ 120/80 mmHg even if below the 90th percentile
American Heart Association (AHA) – Update - A Scientific Statement on Ambulatory BP Monitoring in Children and Adolescents	2014	 Children and adolescents (up to 17 years) White coat HTN: SBP and/or DBP ≥95th percentile (office BP) + < 95th percentile (mean ABPM) + < 25% (SBP or DBP load) Prehypertension: SBP and/or DBP ≥95th percentile or 120/80mmHg (office BP) + <95th percentile (mean ABPM) + ≥25% (SBP or DBP load)

		 Masked HTN: SBP and/or DBP <95th percentile (office BP) + >95th percentile (mean ABPM) + ≥ 25% (SBP or DBP load) HTN: SBP and/or DBP >95th percentile (office BP) + >95th percentile (mean ABPM) + 25% to 50% (SBP or DBP load) Severe hypertension: SBP and/or DBP >95th percentile (office BP) + >95th percentile (mean ABPM) + >50% (SBP or DBP load)
European Society of Hypertension (ESH) - management of high blood pressure in children and adolescents	2016	 Children and adolescents (up to 15 years) High BP (Prehypertension and HTN): SBP and/or DBP ≥ 90th percentile (up to 15 years) or ≥130/85mmHg (if 16years and above)
American Academy of Paediatrics (AAP) - Clinical Practice Guideline for Screening and Management of High Blood Pressure in Children and Adolescents	2017	 Children and adolescents (up to 12 years) Elevated BP was introduced to replace prehypertension. Obese children excluded from the reference population The role of 24hr-ABPM for confirmation was emphasized Elevated BP: SBP and/or DBP ≥90th percentile and < 95th percentile OR ≥ 120/80 mmHg to <95th percentile (whichever is lower) HTN: SBP and/or DBP 95th percentile to ≥ 95th percentile +12 mmHg OR ≥ 140/90mmHg (whichever is lower) From 13 years, children/adolescent guideline is aligned to the guideline for adult thresholds (AHA 2017)
Нуре	rtension	guidelines for adults which are sometimes used in studies of adolescents
World Health Organization-International Society of Hypertension Guidelines for the Management of Hypertension (WHO – ISH)	1999	 Adults ≥ 18 years High normal BP: SBP/DBP ≥ 130/85mmHg HTN: SBP/DBP ≥ 140/90mmHg
The Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure – the "Seventh Report" (JNC 7)	2003	 Adults ≥ 18 years Introduced "prehypertension": SBP/DBP ≥ 120/80mmHg HTN: SBP/DBP ≥ 140/90 mmHg
The International Diabetes Federation (IDF) Consensus Definition Metabolic Syndrome	2005	 Adults ≥ 18 years High BP (Prehypertension and HTN): SBP/DBP ≥ 130/85 mmHg
Guideline for the Management of High Blood Pressure in Adults – Eighth Joint National Committee (JNC 8)	2014	 Adults ≥ 18 years HTN: SBP/DBP ≥ 140/90 mmHg
American Heart Association (AHA) Guideline for the Prevention, Detection, Evaluation, and Management of High Blood Pressure in Adults	2017	 Adults ≥ 13 years Elevated BP: SBP/DBP ≥ 120/<80 mmHg to 129/<80 mmHg HTN: SBP/DBP ≥ 130/80 mmHg