

## Sexual Maturity Rating – Tanner Classifications

### Tanner Classification in Female Adolescents

Stage	Breast Growth	Pubic Hair Growth	Other Changes
<b>Stage I</b>	Pre-adolescent	None ≤ 10 years	Pre-adolescent
<b>Stage II</b>	Breast bud (areolar hyperplasia with small amount of breast tissue)	Long downy pubic hair appears with breast buds or later 10 – 11 years	Peak velocity growth soon after stage II
<b>Stage III</b>	Further enlargement of breast tissue and areolar with no separation of the contours	Increased amount and pigmentation of the hair 12 – 14 years	Menarche in 25% of girls in late stage III
<b>Stage IV</b>	Separation of contour, areolar and nipple form secondary mound above breast tissue	Adult type but not in distribution 13 – 15 years	Menarche occurs in most girls in stage IV 1-3 yrs after menarche
<b>Stage V</b>	Large breast with single contour	Adult distribution 16+ years	Menarche occurs in 10% of girls

### Tanner Classification in Male Adolescents

Stage	Testes	Penis	Pubic Hair Growth	Other Changes
<b>Stage I</b>	Pre-adolescent < 2.5cm	Pre-adolescent	None ≤ 10 years	Pre-adolescent
<b>Stage II</b>	Testes enlarges Pigmentation of scrotal sac	Minimal or no growth in size	Long downy hair appears after testicular growth 10 – 11 years	
<b>Stage III</b>	Further enlargement	Further enlargement especially in width	Increased amount and curling 12 – 14 years	
<b>Stage IV</b>	Further enlargement	Further enlargement especially in width	Adult type but not in distribution 13 – 15 years	Axillary hair and some facial hair develops
<b>Stage V</b>	Adult size	Adult size	Adult type and distribution (medial aspects of the thighs and line alba) 16+ years	Body continues to grow and muscles to increase in size for several months-year

Source: Handbook on Paediatric AIDS in Africa, 2004. [ANECCA modified and reproduced with permission from DE Greydanus and ER McAnarney: "Adolescence." In: Survey of Clinica Pediatrics, 7<sup>th</sup> edition. E Wasserman and DS Gromisch (editors). McGraw-Hill, 1981.]