TABLE E-1 Tanner Staging System of Secondary Sexual Characteristics  $^{48}\,$ 

Tanner Stage		Male	Female
Stage 1 (Prepubertal)	Growth	5-6 cm/yr	5-6 cm/yr
	Development	Testes <4 mL or <2.5	No breast development;
		cm; no pubic hair	no pubic hair
Stage 2	Growth	5-6 cm/yr	7-8 cm/yr
	Development	Testes 4 mL or 2.5-3.2	Breast buds; minimal
		cm; minimal pubic hair	pubic hair on labia
		at base of penis	
Stage 3	Growth	7-8 cm/yr	8 cm/yr
	Development	Testes 12 mL or 3.6 cm;	Elevation of breast;
		pubic hair over pubis;	areolae enlarge; pubic
		voice changes; muscle	hair of mons pubis;
		mass increases	axillary hair; acne
Stage 4	Growth	10 cm/yr	7 cm/yr
	Development	Testes 4.1-4.5 cm; pubic	Areolae enlarge; pubic
		hair as adult; axillary	hair as adult
		hair; acne	
Stage 5	Growth	No growth	No growth
	Development	Testes as adult; pubic	Adult breast contour;
		hair as adult; facial hair	pubic hair as adult
		as adult; mature	
		physique	
Other		Peak height velocity:	Adrenarche: 6-8 years
		13.5 years	Menarche 12.7 years
			Peak height velocity:
			11.5 years