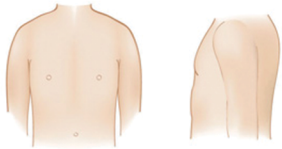


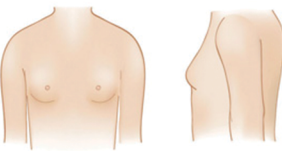
# Tanner Stages for Girls

## Breast development<sup>1,2</sup>



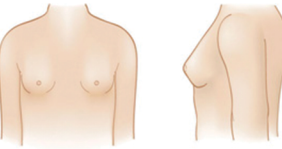
### Stage 1 (Prepubertal)

No breast development, only the nipple is raised.



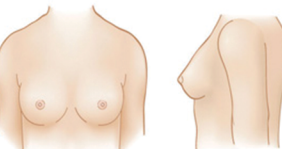
### Stage 2

Breast bud stage. There is elevation of the breast and nipple as a small mound and enlargement of the areola diameter.



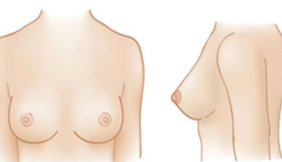
### Stage 3

Further enlargement of the breast and areola with no separation of their contour.



### Stage 4

The nipple and areola project to form a second mound above the level of the breast.



### Stage 5 (Mature adult)

Projection of the nipple only. The areola now shares the general contour of the breast. There is no longer a second mound as in stage 4.

## Pubic hair growth<sup>1-3</sup>



### Stage 1 (Prepubertal)

No pubic hair. The vellus (fine hair) is not further developed than that on the abdomen.



### Stage 2

Sparse growth of long, slightly pigmented, downy hair, straight or only slightly curled, appearing mostly along the labia.



### Stage 3

Considerably darker, coarser, and more curled hair that is beginning to spread across the pubic area.



### Stage 4

The hair is now more like adult pubic hair, but the area it covers is smaller compared to most adults.



### Stage 5 (Mature adult)

The hair is now like adult pubic hair in both type and quantity. It is distributed in the classic triangle pattern and has spread to the inner thigh area.

**References:** 1. Brown RT. Adolescent growth and development. In: Holland-Hall C, Brown RT, eds. *Adolescent Medicine Secrets*. Philadelphia, PA: Hanley & Belfus, Inc.; 2002:21-28. 2. Marshall WA, Tanner JM. Variations in pattern of pubertal changes in girls. *Arch Dis Child*. 1969;44(235):291-303. 3. *Dorland's Illustrated Medical Dictionary*. 32nd ed. Philadelphia, PA: Elsevier; 2011.

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