



**Angeles Jaqueline Gonzalez Matias**

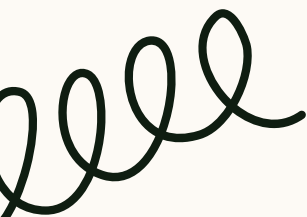
**Enrique Eduardo Arreola Jimenez**

**English IV**

**Seminology of vital signs**

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# SEMINOLOGIA DE LOS SIGNOS vitales

## ¿WHAT IS ?

Vital signs (VS) are values that allow estimating the effectiveness of circulation, respiration and basal neurological functions and their response to different physiological and pathological stimuli.

## CHARACTERISTICS

SVs are a valuable tool as indicators of the individual's functional status and are indicated for the patient to be taken upon admission and discharge from the healthcare center.

## MAIN VARIABLES THAT AFFECT

SV values are good indicators that are used in triage for different patients and are very helpful in recognizing the degree of commitment and the average waiting time for medical care.

- Age: Pulse and heart rate (HR) undergo normal variations from birth to old age. HR is higher in children and lower in adults
- Gender: Women over 12 years of age tend to have a faster pulse and breathing than men of similar ages

## ARTERIAL PULSE

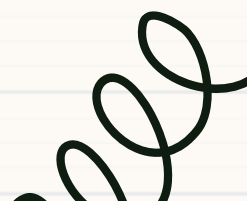
It is the pulsatile wave of blood, originating in the contraction of the left ventricle of the heart and resulting in the regular expansion and contraction of the caliber of the arteries.

- Frequency: The number of waves perceived in one minute.
- Rhythm: The normal rhythm is regular. Irregularity is associated with rhythm disorders such as atrial fibrillation
- Volume or amplitude: The force of the blood in each beat and is due to the differential pressure or pulse pressure

## BODY TEMPERATURE

Body temperature (BT) is defined as the degree of heat conserved by the balance between the heat generated (thermogenesis) and the heat lost (thermolysis) by the organism.

1. If possible, use a personalized thermometer.
2. The bulb must be in complete contact with the chosen anatomical area, which must be healthy, dry and have good irrigation.



# **BIBLOGRAFIA**

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**3. Castañón A, Santos LE, Jiménez A, Monroy MC. Interobserver reliability in determining vital signs at the Ismael Cosío Villegas National Institute of Respiratory Diseases.**

**google translator**