

NEWBORN APNEA



Normal newborn breathing

- Periodic pauses in breathing are normal.
- No signs of respiratory distress present



Breaks in breathing do not exceed 5–10 seconds.

Newborn apnea



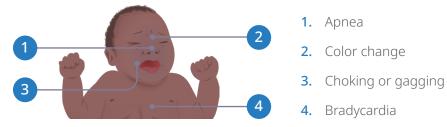
Cessation of breathing for > 20 seconds OR shorter break in breathing with signs of respiratory distress

Brief resolved unexplained events (BRUEs)

This term is applied when:

- An infant is brought to a provider by caregivers after experiencing symptoms at home.
- The infant is asymptomatic on presentation.
- There is no explanation for the reported symptoms after history and exam.

BRUEs usually involve a combination of the following symptoms:



Types of apnea

Central apnea

Cause: neurological



Obstructive apnea

Cause: physical blockage



Airway infections



Congenital anomalies

Mixed apnea

- Combination of central and obstructive apnea
- Most common type of apnea in premature infants

Treatments

- Fix underlying cause
- Supplemental O₂
- Breathing assistance
- Medications (e.g., caffeine)
- Surgical