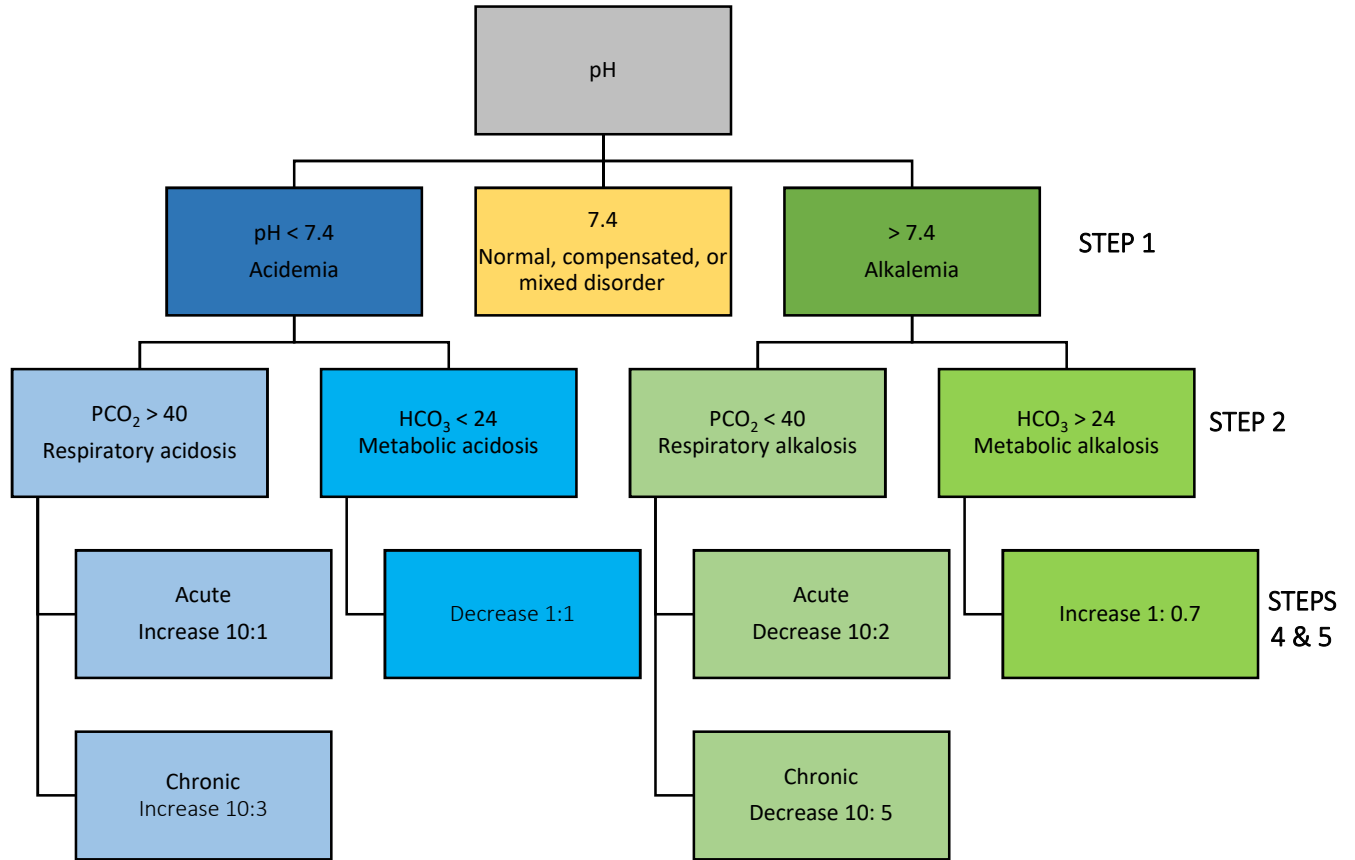


ACID/BASE DISORDERS



HOW TO READ COMPENSATION RULES

Primary ABG value affected : Expected compensation

- Metabolic disorders: HCO_3^- : PaCO_2
- Respiratory disorders: PaCO_2 : HCO_3^-

STEP 3: Anion gap = $[\text{Na}^+] - [\text{Cl}^-] - [\text{HCO}_3^-]$

- Normal anion gap ≤ 12
- In a suspected metabolic acidosis...
 - Elevated anion gap = acid added = **anion gap metabolic acidosis**
 - Normal anion gap = bicarbonate loss = **non-anion gap metabolic acidosis**