

Magnesium (1.5 – 2.5 Hypomagnesemia- Alcoholism, protein-calorie malnutrition, I.V therapy without magnesium replacement, Overdose of Vitamin D or calcium, Pancreatitis,

https://www.pharm-dnotes.com/fluid and electrolyte balance

mEq/L)	Ketoacidosis
	Hypermagnesemia- Renal failure, excessive antacid use, adrenal insufficiency or diuretic abuse.
Sodium (136	Hyponatremia- Excessive water gain caused by inappropriate administration of IV
- 145 mEq/L)	solutions, Renal failure, cirrhosis, Excessive sodium loss due to GI losses.
	Hypernatremia - Sodium gain that exceeds water gain related to salt intoxication, use
	of diuretics, water loss that exceeds sodium loss related to profuse sweating, diarrhea.
Phosphorus	Hypophsophatemia - Glucose administration or insulin release, nutritional recovery
(2.5-4.5	syndrome, malabsorption syndromes, vomiting, diuretic therapy.
mg/dl)	Hyperphosphatemia- Renal disease, Hypoparathyroidism or hyperthyroidism,
	excessive vitamin D intake, Excessive phosphate intake

