

Anemia		Dehydration	Infection
CBC Indication: Low RBC <ul style="list-style-type: none"> Condition in which there is a lack of sufficient healthy red blood cells (RBC) in your body Indicator for other health issues (e.g., low iron, lung damage, low blood oxygen) 		CBC Indication: Reduced Plasma Volume <ul style="list-style-type: none"> Occurs when a person uses or loses more fluids than they take in Can occur without any illness or infection 	CBC Indication: Increased WBC <ul style="list-style-type: none"> Presence of one or more pathogens in the body Physical indication: presence of heat, pain, redness, swelling, and sometimes loss of function
Leukemia		Leukopenia	Polycythemia
CBC Indication: High WBC <ul style="list-style-type: none"> Malignant, progressive disease in which bone marrow produces too many, immature, or abnormal white blood cells A term used for several different cancers of the blood and blood-forming tissues 		CBC Indication: Low WBC <ul style="list-style-type: none"> Can result from infection or medication Can be caused by Rheumatoid Arthritis, vitamin deficiency, or side effect of cancer 	CBC Indication: High RBC, Reduced Plasma Volume <ul style="list-style-type: none"> Rare condition Blood is thicker, which increases blood pressure, which increases risk for stroke and tissue or organ damage
Sickle Cell Anemia		Thrombocytopenia	Thrombocytosis
CBC Indication: Low RBC, Misshapen Cells <ul style="list-style-type: none"> Painful condition where red blood cells are crescent/sickle shaped, sticky, and rigid RBCs die quickly resulting in a shortage and also low levels of oxygen in the blood 		CBC Indication: Low Platelets <ul style="list-style-type: none"> Can indicate anemia, leukemia, heavy alcohol use, medication, viral infection, bone and bone marrow disorders, or immune system disorders 	CBC Indication: High Platelets <ul style="list-style-type: none"> Indicates infection When no apparent underlying condition is known, it could be due to bone or bone marrow disease.
Erythrocytes	Red blood cells (RBC)		
Hemoglobin	Protein carried on red blood cells; contains iron; gives blood its red color		
Leukocytes	White blood cells (WBC)		
Macrophage	A large leukocyte able to destroy old, damaged, and dead cells		
Thrombocytes	Platelets		
Coagulation	When blood becomes jelly-like and clumps together to form a clot		
Plasma	The liquid portion of blood		