

<i>Labs</i>	Normal ranges		Iron deficiency anemia	Anemia of Chronic Disease	Vitamin B12 deficiency	Folate deficiency anemia
	M: >13	F: >12				
<i>Hgb (g/dL)</i>	M: >13	F: >12	↓	↓	↓	↓
<i>Hct (%)</i>	40-45	37-47	↓	↓	↓	↓
<i>MCV (fL)</i>	80-95	80-100	↓	↓/↔	↑/↔	↑
<i>MCH (pg)</i>	27-32		↓	↓/↔	↔	↔
<i>MCHC (%)</i>	32-36		↓	↓/↔	↔	↔
<i>Retic (%)</i>	0.5-2		↓	↓	↓	↓
<i>Serum Fe (mcg/dL)</i>	50-160		↓	↓	↔	↔
<i>Ferritin (ng/mL)</i>	30-250		↓	↓	↔	↔
<i>TIBC (mcg/dL)</i>	240-425		↑	↓	↔	↔
<i>Transferrin (mg/dL)</i>	170-370		↑	↑	↔	↔
<i>Tsat (%)</i>	20-50		↓	↓	↔	↔
<i>B12 (pg/mL)</i>	200-1000		↔	↔	↓	↔
<i>Folate (ng/mL)</i>	5-12		↔	↔	↔	↓

If TIBC (transferritin) is low, then IV iron will not benefit the patient

Iron Overload

<i>MCV</i>	↔
<i>Serum Fe</i>	↑
<i>Ferritin</i>	↑
<i>TIBC</i>	↓
<i>Transferrin</i>	↓
<i>Tsat</i>	↑