









IRON DEFICIENCY ANEMIA Prevalence				
Country	Men (%)	Women (%)	Pregnant Women (%)	
S. India	6	35	56	
N. India		64	80	
Latin America	4	17	38	
Israel	14	29	47	
Poland			22	
Sweden		7		
USA	1	13		

























![](_page_9_Picture_2.jpeg)

![](_page_9_Figure_3.jpeg)

![](_page_10_Figure_2.jpeg)

<ul> <li>Blood Loss <ul> <li>Gastrointestinal Tract</li> <li>Menstrual Blood Loss</li> <li>Urinary Blood Loss (Rare)</li> <li>Blood in Sputum (Rarer)</li> </ul> </li> <li>Increased Iron Utilization <ul> <li>Pregnancy</li> <li>Infancy</li> <li>Adolescence</li> <li>Polycythemia Vera</li> </ul> </li> </ul>		IRON Causes of Iron Deficiency
<ul> <li>Tropical Sprue</li> <li>Gastrectomy</li> <li>Chronic atrophic gastritis</li> <li>Dietary inadequacy (almost never sole cause)</li> <li>Combinations of above</li> </ul>	•	Blood Loss - Gastrointestinal Tract - Menstrual Blood Loss - Urinary Blood Loss (Rare) - Blood in Sputum (Rarer) Increased Iron Utilization - Pregnancy - Infancy - Adolescence - Polycythemia Vera Malabsorption - Tropical Sprue - Gastrectomy - Chronic atrophic gastritis Dietary inadequacy (almost never sole cause) Combinations of above

![](_page_11_Figure_2.jpeg)

![](_page_11_Figure_3.jpeg)

![](_page_12_Figure_2.jpeg)

![](_page_12_Figure_3.jpeg)

![](_page_13_Figure_2.jpeg)

![](_page_13_Figure_3.jpeg)

![](_page_14_Picture_2.jpeg)

![](_page_14_Figure_3.jpeg)

## SUMMARY Iron-Related Anemias

- Most common anemia
- Symptom of pathologic process
- Primary manifestation is hematologic
- Treatment requires:
  - Replacement therapy
  - Correction of underlying cause (if possible)