Epidemiology of Anemia

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Epidemiology of Anemia

• 1.6 billion person in the world
• 24% of the world population on (5 to 40)
• In age <5 y 40%
• Globally mild 54%, moderate 42%, severe 4%
Epidemiology of Anemia
## Epidemiology of Anemia

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preschool-age children</td>
<td>47.4</td>
</tr>
<tr>
<td>School-age children</td>
<td>25.4</td>
</tr>
<tr>
<td>Pregnant women</td>
<td>41.8</td>
</tr>
<tr>
<td>Non-pregnant women</td>
<td>30.2</td>
</tr>
<tr>
<td>Men</td>
<td>12.7</td>
</tr>
<tr>
<td>Elderly</td>
<td>23.9</td>
</tr>
</tbody>
</table>
Top 3 causes of anemia:
- Iron deficiency
- Vit A deficiency
- Beta thalassemia
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Sayyari Iran, 2006:
4170, 2-6 y: 7.3 %
8461, 7-12 y: 10.9 %
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Kourosh Sayemiri:
Iron deficiency anemia in Iranian pregnant women
32 studies, 63372 individuals
14.2%
Urban 14% rural 20%
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Somayyeh Asghari:
woman 18-45 yr
Anemia 8 %
IDA 4.3 %
Iron deficiency without anemia 19%
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Iman Eftekharzadeh Mashhadi: Mashad city
In 1675 age 1-90
Anemia 9.7%
  male 6%, female 13%
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female
Age 44-35
%22
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Male

• Age:
  - Less 5 yr
  - More 65 yr
• %15
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Mohboubeh Nazari:
Under 6 yr
Sample 1700
Anemia 18%
Iron deficiency 28%
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Nutritional Anemia:
• Iron
• Vit A
• B12
• Folate
• Riboflovin
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Iron deficiency 50% of anemia
B12 deficiency:
  Mexico USA 15%, Colombia 3%
Folate deficiency:
  Venezuela (pregnant) 49%
  Costa Rica 34%
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M. Shams:
1200 individuals Iran
20-80yr
1% folate deficiency
26% B12 deficiency
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Z Abdollahi:

Women of childbearing Iran
Folate deficiency 14%
B12 deficiency 23%
Hyperhomocysteinemia 39%