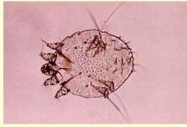


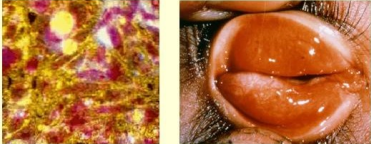
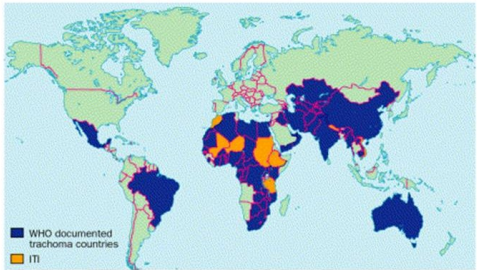
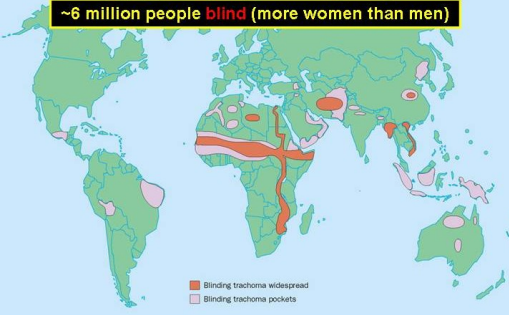


# WATER- AND EXCRETA-RELATED COMMUNICABLE DISEASES

## Part 3 of 5

<p>1.</p>	<p style="text-align: center;"><b>Unitary environmental classification of water- and excreta-related communicable diseases</b></p> <p style="text-align: center;">Seven categories:</p> <ol style="list-style-type: none"> <li>1. Faeco-oral waterborne &amp; water-washed diseases</li> <li>2. Non-faeco-oral water-washed diseases</li> <li>3. Geohemintiasis</li> <li>4. Taeniasis</li> <li>5. Water-based diseases</li> <li>6. Insect-vector diseases</li> <li>7. Rodent-vector diseases</li> </ol>	<p>We are now going to look at the second category in our environmental classification of water- and excreta-related communicable diseases,</p>
<p>2.</p>	<p style="text-align: center;"><b>2. Non-faeco-oral water-washed diseases</b></p> <p>☐ Skin and eye diseases:</p> <div style="text-align: center; border: 1px solid red; padding: 5px; width: fit-content; margin: 10px auto;"> <p style="margin: 0;"><b>Scabies and Trachoma</b></p> </div>	<p>and these are the non faeco-oral water-washed diseases, that is to say skin and eye diseases – because, if people have insufficient volumes of water for personal hygiene to wash themselves, their face, their body, they get skin diseases, eye diseases, and the most common of these are scabies, as a skin disease, and trachoma, as an eye disease.</p>
<p>3.</p>	<p style="text-align: center;"><b>SCABIES</b></p> <ul style="list-style-type: none"> <li>• Skin infection caused by the 'scabies mite' <i>Sarcoptes scabiei</i> – females lay their eggs in a burrow in the skin and cause the typical 'scabies rash'.....</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="font-size: small;">Females: 0.3–0.4 mm Males: 0.2 mm</p>	<p>Scabies is a skin infection caused by the scabies mite. The females lay their eggs in a burrow in the skin and cause a typical scabies rash, as shown on the chest of this person.</p>
<p>4.</p>		<p>This is a head shot of a young African boy with very, very severe scabies.</p>

<p>5.</p>	<p style="text-align: center;"><b>TRACHOMA</b></p> <ul style="list-style-type: none"> <li>❑ Caused by the bacterium <i>Chlamydia trachomatis</i></li> <li>❑ World's leading cause of preventable <b>blindness</b></li> </ul> 	<p>Trachoma is an eye disease and it is caused by the bacterium <i>Chlamydia trachomatis</i>, and it is the world's leading cause of preventable blindness.</p>
<p>6.</p>	<p style="text-align: center;"><b>TRACHOMA:</b> ~150 million people (mainly children) with active disease</p>  <p>WHO documented trachoma countries ITI ITI = International Trachoma Initiative</p>	<p>It is very, very common. There are something like 150 million people, mainly children, who have active trachoma disease, principally in developing countries,</p>
<p>7.</p>	<p style="text-align: center;"><b>~6 million people blind (more women than men)</b></p>  <p>Blinding trachoma widespread Blinding trachoma pockets</p> <p style="text-align: center;"><b>GLOBAL DISTRIBUTION OF TRACHOMA BLINDNESS</b> [The Lancet Infectious Diseases, June 2003]</p>	<p>and there are something like 6 million people in the world who are blind as a result of trachoma, and this blindness affects women more than men.</p>