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## Sexually Transmitted Infections and Diseases in the United States

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# Sexually Transmitted Infections and Diseases in the United States

Created by: Erin Coffey and Bev Alderson

Mt. Pleasant Community High School and Middle School, Mt. Pleasant Community School District

Grade Level (Req.): 7th-12th grade	Content Area (Req.): Health and Math	Unit (Opt.):
Connections to Other Disciplines (Opt.): <ul style="list-style-type: none"> <li>• Geography</li> <li>•</li> <li>•</li> </ul>		
Time Frame (Req.): Three-four 45 minute class periods	Goal (Req.): To help students understand the spread of Sexually Transmitted Infections and Diseases.	
	Objective (Req.): Students will be able to visually compare Iowa's rate of STI's and STD's with the rest of the United States.	
Materials Needed (Req.): <ul style="list-style-type: none"> <li>• Graph paper and colored pencils</li> <li>• Rulers</li> <li>• Calculator (optional)</li> <li>• 7 Most Common Sexually Transmitted Diseases and Infections PowerPoint Hand Out</li> <li>• 7 Most Common Sexually Transmitted Diseases and Infections Table (notes)</li> <li>• Renaissance Receivers</li> <li>• Computer Lab (Internet)</li> </ul>	New Vocabulary (Opt.): <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	
Anticipatory Set/Introduction [Inquiry Question is required] (Req.): How does Iowa compare to other states in the United States in amount of diagnosed Sexually Transmitted Infections and Diseases?		
Instructional Sequence/Procedure (Req.): <ol style="list-style-type: none"> <li>1. Read and discuss Current Health II article: "Return of a Menace" – about the spread of sexually transmitted diseases and infections.</li> <li>2. Introductory Activity: True/False Sexually Transmitted Infections and Diseases (pre-test) True/False activity using Renaissance Receivers.</li> <li>3. Overview of the 7 Most Common Sexually Transmitted Diseases and Infections PowerPoint Hand Out and 7 Most Common Sexually Transmitted Diseases and Infections PowerPoint.</li> <li>4. Have students summarize each Infection/Disease on table.</li> <li>5. Assign each student one of the seven most common sexually transmitted infections and diseases. Using the computer lab and Center for Disease Control website, <a href="http://www.cdc.gov">www.cdc.gov</a>, each student will research incident statistics.</li> <li>6. Using information they discovered from the statistics, each student will create a cartogram, comparing the assigned disease/infection rate of Iowa with other states in the United States.</li> <li>7. Extending the Lesson: Post students' cartograms to compare rates of diseases and infections. Use cartograms to discover the most prevalent disease/infection in Iowa and in the United States. Have students create various graphs including: histogram, circle graph, line graph to compare information from other diseases/infections.</li> </ol>		

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Formative Evaluation (Req.): Check for understanding of what STI/STDs are and their differences

Assessment (Req.): Cartograms of the diseases/infections

Iowa Core Curriculum Standards Used (Req.):

- Geography, grade 9-12: Understand the use of geographic tools to locate and analyze information about people, places, and environments.
- Geography, grade 9-12: Understand how physical and human characteristics create and define regions.
- Geography, grade 9-12: Understand how human factors and the distribution of resources affect the development of society and the movement of populations.
- Geography, grade 9-12: Understand how human actions modify the environment and how the environment affects humans.
- Geography, grade 9-12: Understand how culture affects the interactions of human populations through time and space.
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Common Core Curriculum Standards Used (Opt.):

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NGS Standards Used (Req.):

- How to use maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate information
- The physical and human characteristics of places
- How culture and experience influence people's perceptions of places and regions
- The characteristics, distribution, and migration of human populations on Earth's surface
- The characteristics, distribution, and complexity of Earth's cultural mosaics
- How human actions modify the physical environment
- How physical systems affect human systems
- The changes that occur in the meaning, use, distribution, and importance of resources

<ul style="list-style-type: none"><li>•</li><li>•</li></ul>	
Five Themes of Geography Used (Req.): <ul style="list-style-type: none"><li>• Location</li><li>• Place</li><li>• Human-Environmental Interaction</li><li>•</li><li>•</li></ul>	School District Standards and Benchmarks (Opt.): <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li></ul>
21 <sup>st</sup> Century Universal Constructs (Opt.):	
Other Disciplinary Standards (Opt.): <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>	
Other Essential Information (Opt.):	
Other Resources (Opt.): <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li></ul>	