1. **What is hypothesis testing? Provide examples in health promotion –** Hypothesis testing is a theory, method and practice of testing a hypothesis by comparing it to a null hypothesis. Example: a child who is raised by obese parents are more likely to grow up obese as well
2. **What are Type I and Type II errors? Provide examples** – Type I is when a null hypothesis is rejected and the conclusion is wrong. Type II is failing to reject a false null hypothesis.
3. **What is a One and two-tailed test? Provide examples. –** One tailed test is testing for effects in one direction (ex: not having two sides of evidence) , Two tailed is testing for effects in both directions
4. **What are the steps in hypothesis testing? –** Step 1: specify the null hypothesis; Step 2: Specify the significance level; Step 3: Compute the probability value; Step 4: Compare probability value to significance value.
5. **What is 5-Why? –** Questions to ask yourself to solve a problem. 1. Theres a problem; 2. What is the problem and break it down; 3. Understand the work; 4. Point of occurrence; 5. Ask 5-whys; 6. Find the problem
6. **What is TRIZ and how can you use the tools discussed in this presentation?**An approach for approaching and understanding problems and how to solve certain problems. This is a good way to get to the root of things and find a way to solve problems.
7. **What is conceptual thinking? And what is the difference between and idea and a concept?**Conceptual thinking is the ability to analyze hypothetical situations; an idea is a plan formed by mental effort and a concept is putting the ideas into action