**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_**

**Bioethics** **Pre-Survey / Post – Survey**

**Part I: Where Do You Stand on Vaccines?**

**Answer the following questions, choosing the best response on a scale of 1 to 7.**

**Question #1:** How do you balance the overall risks and benefits of vaccinations that most infants and children receive in the U.S.?

Risks far Risks and benefits Benefits far

Outweigh benefits are equally balanced outweigh risks

1 2 3 4 5 6 7

**Question #2:** How do you feel about this statement: As long as a disease is rare where I live, my family and I should avoid getting vaccinated because of the risk of adverse reactions.

Strongly disagree Strongly agree

1 2 3 4 5 6 7

**Question #3:** How do you fell about this statement: Even though there’s some risk of adverse reactions to vaccines, my family and I should be vaccinated, because if we aren’t, we put the health of others at risk.

Strongly disagree Strongly agree

1 2 3 4 5 6 7

**Question #4:** Currently all 50 states have school immunization laws requiring that children receive vaccinations, although different states may have somewhat different requirements and possible medical, religious or philosophical exemptions. How do you feel about schools requiring vaccines?

Strongly opposed Strongly in favor

1 2 3 4 5 6 7

**Question #5:** How do you feel about this statement: Parents should have sole decision-making power about whether or not to immunize their children, with no external regulations or requirements.

Strongly disagree Strongly agree

1 2 3 4 5 6 7

The questions above are taken from “What Are Your Attitudes on Vaccinations for Infants and Children?”

<http://www.pbs.org/wgbh/pages/frontline/vaccines/etc/questions.html>

**Question #6 Prior Knowledge:** Vaccination is a bioethical issue that has been in the news for several years with persons opposed to mandatory vaccination requirements for school children listing risks of vaccinations. Have you heard of the major risks most frequently cited? If so, what are they and how does scientific research support or refute the claims of risk?

**Accurate vs. Not Accurate**  Read the following statements and mark them as “A” Accurate or “N” Not Accurate. Then, in the space below each statement explain why you chose “A” or “N”.

1. \_\_\_\_\_\_\_ Most of our medicines and modern medical treatments would not be available without experiments that were done on people.
2. \_\_\_\_\_\_\_ Because the general public is pushing for new treatments, medications, and prevention methods, researchers often have to turn away qualified people who want to participate in studies because the studies are full.
3. \_\_\_\_\_\_\_ Scientists follow several established guidelines to respect the privacy, dignity, and culture of their human participants.
4. \_\_\_\_\_\_\_ Cells or tissue samples left over from medical tests performed by doctors or nurses can be used in experiments without patient permission.
5. \_\_\_\_\_\_\_ All of the current regulations for research involving humans today, compared to years past, means there are few or no ethical problems or debates about research involving humans.
6. \_\_\_\_\_\_\_ Computer simulations are making research with humans unneccesary.

Identify the relevance of each word or phrase to an ethical discussion. Examples of ethical discussions include mandatory vaccinations for children in public schools, use of fetal cells for research, abortion, genetically modified organisms, etc. Put an “x” in the box you feel most closely identifies with your assessment.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | 1-Highly  Relevant | 2-Somewhat  Relevant | 3-Slightly  Relevant | 4 – No  Relevance |
|  | Morality |  |  |  |  |
|  | Theistic Values (Religion) |  |  |  |  |
|  | Personal Opinion |  |  |  |  |
|  | Legal Precedence |  |  |  |  |
|  | Societal Tradition |  |  |  |  |
|  | Democratic Majority |  |  |  |  |
|  | Logic |  |  |  |  |
|  | Fairness |  |  |  |  |
|  | Facts |  |  |  |  |
|  | Purpose/Intent |  |  |  |  |

**Pre- test / Post-test**

1. The highest risk of side effects is associated with which of the following vaccines?
   1. Smallpox
   2. Polio
   3. Measles
   4. Whooping Cough
2. Which of the following are not a type of exemption to mandatory school age vaccination in any state in the U.S.?
   1. Medical
   2. Religious
   3. Personal preference
   4. None of the above are an exemption in any state
   5. All of the above are an exemption in some states
3. Which of the following is an incorrect way to frame an ethical question?
   1. Is it wrong to murder a two month old fetus?
   2. Should a three month old fetus be considered a child?
   3. At what stage in pregnancy should abortions no longer be allowed?
   4. Does a three month old fetus have a developed nervous system?
4. HeLa cells are a specific cell line that
   1. Have been growing in labs since 1951 and are considered immortal
   2. Were used in the Nazi Medical War Crimes in 1936
   3. Were used to grow Hepatitis viruses in the Willowbrook Experiment
   4. Were used to “treat” syphilis patients in 1940
5. Which of the following is not a characteristic of an “ethical” value?
   1. Humane
   2. Legal
   3. Good
   4. Right
6. The National Research Act of 1974 & Belmont Report were passed as a result from the publicity of the
   1. Nazi Medical War Crimes
   2. Willowbrook Hepatitis Studies
   3. Tuskegee Syphilis Experiments
   4. HeLa Cell use
7. Which of the following is not one of the 3 bioethical principles of the Belmont Report?
   1. Autonomy
   2. Beneficence
   3. Integrity
   4. Justice
8. Which of the following best describes part of the principle of justice?
   1. Maximize the potential benefits
   2. Ensure voluntary participation
   3. Provide informed consent
   4. Avoid potential financial or other conflicts of interest
9. Assume that while you were under the care of a physician for a type of skin cancer a doctor, without your knowledge, took a sample of your cancer cells. Research using these cells resulted in the discovery of a cure for this specific type of skin cancer. Do you feel you should be financially compensated for the use of your cells? Why or why not?

**Matching**: Match each Historical Case Study with its corresponding description.

|  |  |  |
| --- | --- | --- |
|  | Historical Case Study | **Description** |
| \_\_\_\_\_\_\_\_\_\_ | 1. Tuskegee | 1. Study whose purpose was to study how the body fights cancer |
| \_\_\_\_\_\_\_\_\_\_ | 1. Willowbrook | 1. Men with syphilis left untreated to observe disease progression |
| \_\_\_\_\_\_\_\_\_\_ | 1. Jewish Chronic Disease Hospital | 1. Study whose participants were mentally disabled children |
| \_\_\_\_\_\_\_\_\_\_ | 1. Guatemalan Experiment by U.S. | 1. Study on effectiveness of various treatments on STDs – specifically syphilis and gonorrhea |