

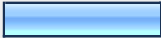





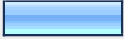

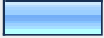

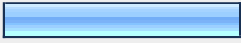
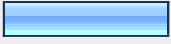
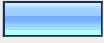
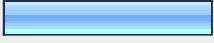

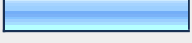

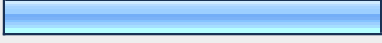
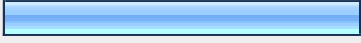
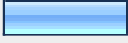


| 1. Which of the following best describes your role in biomedical research? |   |  | Response Percent         | Response Count |
|--|---|--|--------------------------|----------------|
| Research scientist   |  |  | 21.7%                    | 97             |
| CEO, President, Executive  |  |  | 3.4%                     | 15             |
| Director, Manager, Administrator   |  |  | 17.0%                    | 76             |
| Health care provider   |  |  | 2.2%                     | 10             |
| <b>Educator</b>  |  |  | <b>30.6%</b>             | 137            |
| Public affairs   |  |  | 2.2%                     | 10             |
| Other (please specify)   |  |  | 22.8%                    | 102            |
|  |   |  | <b>answered question</b> | <b>447</b>     |
|  |   |  | <b>skipped question</b>  | <b>3</b>       |

| 2. How long have you been associated with the biosciences? |  |  | Response Percent         | Response Count |
|--|--|--|--------------------------|----------------|
| Less than 1 year   |   |  | 2.0%                     | 9              |
| 1-3 years  |   |  | 12.9%                    | 57             |
| 4-6 years  |   |  | 14.3%                    | 63             |
| 7-9 years  |   |  | 10.4%                    | 46             |
| <b>10 or more years</b>                                    |  |  | <b>60.4%</b>             | 267            |
|  |  |  | <b>answered question</b> | <b>442</b>     |
|  |  |  | <b>skipped question</b>  | <b>8</b>       |

| 3. What type of organization do you work for?  |   |  | Response Percent         | Response Count |
|--|---|--|--------------------------|----------------|
| College or University  |    |  | 25.9%                    | 115            |
| Nonprofit research organization (e.g., SBRI, PATH, Fred Hutchinson Cancer Research Center) |    |  | 17.8%                    | 79             |
| For profit research company (e.g., Amgen, Charles River, MDS Pharma, ZymoGenetics)         |    |  | 10.6%                    | 47             |
| Secondary education  |    |  | 22.7%                    | 101            |
| Industry service provider (e.g., vendor, architect, construction company, etc.)            |    |  | 2.9%                     | 13             |
| Other (please specify)   |  |  | 20.0%                    | 89             |
|  |   |  | <b>answered question</b> | <b>444</b>     |
|  |   |  | <b>skipped question</b>  | <b>6</b>       |

| 4. How aware do you feel you are about the activities of NWABR? |  |  | Response Percent         | Response Count |
|---|--|--|--------------------------|----------------|
| Not at all aware  |   |  | 5.9%                     | 25             |
| Only somewhat aware   |  |  | 41.6%                    | 175            |
| Fairly aware  |  |  | 39.2%                    | 165            |
| Quite aware   |   |  | 13.3%                    | 56             |
|   |  |  | <b>answered question</b> | <b>421</b>     |
|   |  |  | <b>skipped question</b>  | <b>29</b>      |

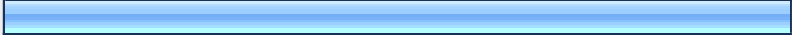
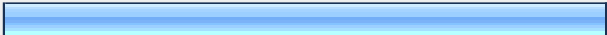
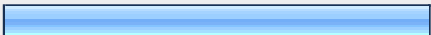
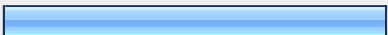
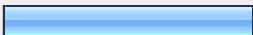
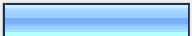
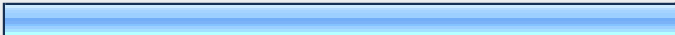

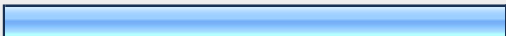
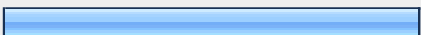

5. On a scale of 1 to 7, how satisfied are you with NWABR programs and activities?

|                          |  | Response Percent | Response Count |
|--------------------------|--|------------------|----------------|
| 1 - Very dissatisfied    |  | 0.5%             | 2              |
| 2                        |  | 0.5%             | 2              |
| 3                        |  | 5.1%             | 20             |
| 4                        |  | 14.9%            | 59             |
| 5                        |  | 19.9%            | 79             |
| 6                        |  | 32.8%            | 130            |
| 7 - Very satisfied       |  | 26.3%            | 104            |
| <b>answered question</b> |  |                  | <b>396</b>     |
| <b>skipped question</b>  |  |                  | <b>54</b>      |

6. Please rate NWABR's communication with you along the following dimensions.

|                          | 1 - Poor    | 2            | 3            | 4             | 5             | 6                     | 7 - Excellent         | Don't know    | Response Count |
|--------------------------|-------------|--------------|--------------|---------------|---------------|-----------------------|-----------------------|---------------|----------------|
| Frequency                | 1.4%<br>(6) | 4.6%<br>(19) | 5.3%<br>(22) | 11.4%<br>(47) | 17.6%<br>(73) | 22.9%<br>(95)         | 26.1%<br><b>(108)</b> | 10.6%<br>(44) | 414            |
| Effectiveness            | 0.7%<br>(3) | 1.7%<br>(7)  | 4.9%<br>(20) | 9.5%<br>(39)  | 19.2%<br>(79) | 26.9%<br><b>(111)</b> | 26.5%<br>(109)        | 10.7%<br>(44) | 412            |
| Clarity                  | 0.5%<br>(2) | 0.7%<br>(3)  | 5.8%<br>(24) | 7.5%<br>(31)  | 15.8%<br>(65) | 27.7%<br>(114)        | 32.8%<br><b>(135)</b> | 9.0%<br>(37)  | 411            |
| Usefulness               | 1.2%<br>(5) | 2.2%<br>(9)  | 5.4%<br>(22) | 10.5%<br>(43) | 21.8%<br>(89) | 26.0%<br><b>(106)</b> | 23.0%<br>(94)         | 9.8%<br>(40)  | 408            |
| <b>answered question</b> |             |              |              |               |               |                       |                       |               | <b>414</b>     |
| <b>skipped question</b>  |             |              |              |               |               |                       |                       |               | <b>36</b>      |

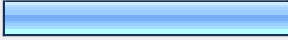
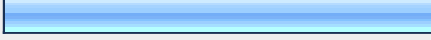


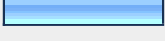
7. To the best of your knowledge, which of the following services are provided by NWABR?(Choose all that apply)

|   |  | Response Percent         | Response Count |
|---|--|--------------------------|----------------|
| Connects researchers directly with students, teachers and community members (e.g., Student Biotech Expo, Speakers Bureau) |    | 87.0%                    | 340            |
| Cutting edge curricula that prepares educators to integrate ethics into the teaching of life science                      |    | 66.5%                    | 260            |
| Provides training to investigators on how to speak out and discuss their research with a variety of audiences             |    | 46.8%                    | 183            |
| IRB and IACUC professional development  |    | 41.9%                    | 164            |
| Communications training and facilitation for responding to crisis situations  |   | 27.4%                    | 107            |
| Security preparation for Facilities, Human Resources and Communications Managers  |   | 20.2%                    | 79             |
| Promoting the understanding of ethical standards in research  |  | 74.2%                    | 290            |
| General public outreach, including events such as Science Cafes and Life Sciences Research Week                           |  | 68.8%                    | 269            |
| Information resource about research ethics and regulations for the media  |  | 55.5%                    | 217            |
| Ethics training for biomedical research staff   |  | 45.8%                    | 179            |
| Other (please specify)  |   | 3.6%                     | 14             |
|   |  | <b>answered question</b> | <b>391</b>     |
|   |  | <b>skipped question</b>  | <b>59</b>      |


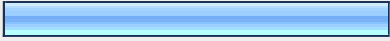
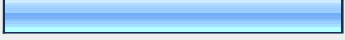
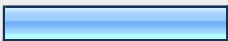
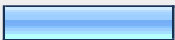



**8. Of the following services, please tell us which are the 4 most important to you AND then which are the 4 most important to your organization? (Choose just 4 in each column)**

|  | <b>Most important to you (choose just 4)</b> | <b>Most important to your organization (choose just 4)</b> | <b>Response Count</b> |
|--|--|--|-----------------------|
| Connects researchers directly with students, teachers and community members (e.g., Student Biotech Expo)         | <b>90.5% (247)</b>                           | 66.7% (182)  | 273                   |
| Cutting edge curriculum that prepares educators to integrate ethics into the teaching of life science            | <b>91.6% (196)</b>                           | 69.2% (148)  | 214                   |
| Speakers Bureau that offers training to investigators on how to share their research with a variety of audiences | <b>69.4% (127)</b>                           | 66.1% (121)  | 183                   |
| IRB and IACUC professional development   | 67.3% (105)                                  | <b>84.0% (131)</b>   | 156                   |
| Communications training and facilitation for responding to crisis situations                                     | 48.6% (52)                                   | <b>82.2% (88)</b>  | 107                   |
| Security preparation for Facilities, Human Resources and Communications Managers                                 | 41.1% (39)                                   | <b>84.2% (80)</b>  | 95                    |
| Promoting the understanding of ethical standards in research   | <b>90.0% (244)</b>                           | 72.3% (196)  | 271                   |
| General public outreach, including events such as Science Cafes and Life Sciences Research Week                  | <b>91.0% (192)</b>                           | 58.3% (123)  | 211                   |
| Information resource about research ethics and regulations for the media   | <b>74.2% (135)</b>                           | 71.4% (130)  | 182                   |
| Ethics training for biomedical research staff  | <b>75.8% (94)</b>                            | 71.0% (88)   | 124                   |
|  | <b><i>answered question</i></b>              |  | <b>375</b>            |
|  | <b><i>skipped question</i></b>               |  | <b>75</b>             |


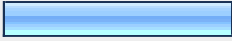
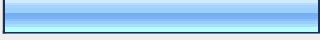
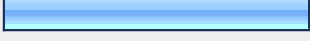
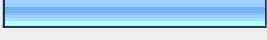
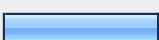
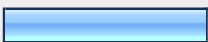

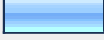
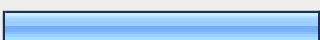
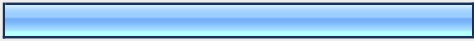

| 9. How relevant is this vision to you personally AND to your organization? |                          |                   |                   |                     |                |
|--|--------------------------|-------------------|-------------------|---------------------|----------------|
|  | Very relevant            | Somewhat relevant | Not very relevant | Not relevant at all | Response Count |
| To me personally   | <b>59.8% (223)</b>       | 35.7% (133)       | 3.8% (14)         | 0.8% (3)            | 373            |
| To my organization   | <b>55.6% (198)</b>       | 34.3% (122)       | 8.4% (30)         | 1.7% (6)            | 356            |
|  | <i>answered question</i> |                   |                   |                     | <b>379</b>     |
|  | <i>skipped question</i>  |                   |                   |                     | <b>71</b>      |

| 10. How effective is NWABR in fulfilling its vision? |  |                  |                |
|--|--|------------------|----------------|
|  |  | Response Percent | Response Count |
| Extremely effective                                  |     | 31.2%            | 118            |
| <b>Somewhat effective</b>                            |  | <b>47.1%</b>     | 178            |
| Not very effective                                   |   | 4.2%             | 16             |
| Not effective at all                                 |   | 0.3%             | 1              |
| Don't know   |   | 17.2%            | 65             |
|  | <i>answered question</i>   |                  | <b>378</b>     |
|  | <i>skipped question</i>  |                  | <b>72</b>      |

**11. For your organization, what do you think are the 3 most significant issues related to biomedical research and its ethical conduct? (Choose just 3)**

|  |   | Response Percent                | Response Count |
|--|---|---------------------------------|----------------|
| <b>Public understanding</b>  |   | 77.5%                           | 283            |
| Animal research standards  |   | 42.5%                           | 155            |
| Clinical research standards  |    | 37.3%                           | 136            |
| Activist threats to researchers and the research community                   |    | 24.4%                           | 89             |
| Communications training and facilitation for responding to crisis situations |    | 18.4%                           | 67             |
| Preparing teachers to discuss these issues with students in their classrooms |  | 48.5%                           | 177            |
| The high standards and regulatory oversight in translational research        |  | 34.5%                           | 126            |
| Other (please specify)   |  | 4.4%                            | 16             |
|  |   | <b><i>answered question</i></b> | <b>365</b>     |
|  |   | <b><i>skipped question</i></b>  | <b>85</b>      |

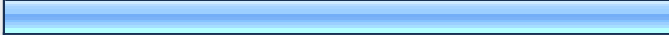



**12. Which of the following sources would you be most likely to turn to if you were trying to get information or respond to questions about an issue related to ethics or regulations in biomedical research? (Choose just 3)**


|   |  | Response Percent                | Response Count |
|---|--|---------------------------------|----------------|
| Confidential peer discussions   |     | 22.7%                           | 83             |
| Scientific Journals   |     | 24.9%                           | 91             |
| National organizations  |     | 34.5%                           | 126            |
| Internet Sites or Blogs   |     | 33.4%                           | 122            |
| Libraries and on-line data bases  |     | 28.8%                           | 105            |
| Presentations, panel discussions, seminars or symposia                        |     | 16.7%                           | 61             |
| Professional conferences  |     | 22.2%                           | 81             |
| Mass media  |   | 4.1%                            | 15             |
| Public information office of your organization                                |   | 10.7%                           | 39             |
| Institutional Review Office or Office of Animal Welfare for your organization |   | 34.8%                           | 127            |
| <b>NWABR</b>  |  | <b>51.8%</b>                    | 189            |
| Other (please specify)  |   | 8.2%                            | 30             |
|   |  | <b><i>answered question</i></b> | <b>365</b>     |
|   |  | <b><i>skipped question</i></b>  | <b>85</b>      |

**13. Different groups have different levels of understanding about ethics in biomedical research. Please indicate how well you think the following groups understand the role of ethics in biomedical research.**



|                        | Do not understand        | Understand only slightly | Understand somewhat | Understand very well | Response Count |
|------------------------|--------------------------|--------------------------|---------------------|----------------------|----------------|
| Broadcast media        | 27.3% (98)               | <b>58.2% (209)</b>       | 13.9% (50)          | 0.6% (2)             | 359            |
| Print media            | 16.2% (58)               | <b>58.8% (211)</b>       | 24.2% (87)          | 0.8% (3)             | 359            |
| General public         | 37.5% (135)              | <b>54.4% (196)</b>       | 7.8% (28)           | 0.3% (1)             | 360            |
| Funding agencies       | 0.8% (3)                 | 14.3% (51)               | <b>52.4% (187)</b>  | 32.5% (116)          | 357            |
| Public decision makers | 12.6% (45)               | <b>54.7% (196)</b>       | 31.6% (113)         | 1.1% (4)             | 358            |
| Educators              | 3.1% (11)                | 33.6% (121)              | <b>56.7% (204)</b>  | 6.7% (24)            | 360            |
| Bioscience researchers | 0.6% (2)                 | 4.7% (17)                | 45.1% (162)         | <b>49.6% (178)</b>   | 359            |
|                        | <i>answered question</i> |                          |                     |                      | <b>362</b>     |
|                        | <i>skipped question</i>  |                          |                     |                      | <b>88</b>      |

**14. What are the two most important messages for the general public to understand about biomedical research and its ethical conduct? (Choose just 2)**


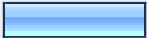

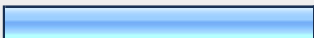

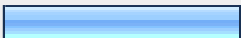
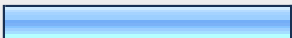

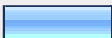
|   |  | Response Percent | Response Count |
|---|--|------------------|----------------|
| <b>Biomedical research is conducted within an ethical and regulatory framework.</b>   |  | 73.5%            | 269            |
| Good reporting explores the multiple perspectives about the ethics and regulations of human subjects and animal research  |   | 19.4%            | 71             |
| Those involved in research with animals are actively seeking alternatives. However, animal models continue to play a critical role in biomedical research at this time. |  | 46.7%            | 171            |
| We need more young people to consider careers in the biosciences.   |   | 17.5%            | 64             |
| Progress in biomedical research requires understanding of and support from the community  |  | 40.4%            | 148            |

|                        |   |                          |            |
|------------------------|---|--------------------------|------------|
| Other (please specify) |  | 2.2%                     | 8          |
|                        |   | <b>answered question</b> | <b>366</b> |
|                        |   | <b>skipped question</b>  | <b>84</b>  |

| 15. What is your age? |  |                          |                |                |
|-----------------------|--|--------------------------|----------------|----------------|
|                       |  | Response Average         | Response Total | Response Count |
| Age                   |  | 44.53                    | 16077          | 361            |
|                       |  | <b>answered question</b> |                | <b>361</b>     |
|                       |  | <b>skipped question</b>  |                | <b>89</b>      |

| 16. What is your gender? |  |                          |                |            |
|--------------------------|--|--------------------------|----------------|------------|
|                          |  | Response Percent         | Response Count |            |
| Male                     |   | 38.2%                    | 139            |            |
| Female                   |  | 61.8%                    | 225            |            |
|                          |  | <b>answered question</b> |                | <b>364</b> |
|                          |  | <b>skipped question</b>  |                | <b>86</b>  |

17. What is your role in relation to NWABR? (check all that apply)

|  |   | Response Percent                | Response Count |
|--|---|---------------------------------|----------------|
| Board member   |    | 4.4%                            | 16             |
| Member   |    | 15.2%                           | 55             |
| Board committee or emeritis member   |    | 1.9%                            | 7              |
| <b>Program participant (e.g., IACUC, IRB, teacher workshops)</b>                                       |    | <b>34.1%</b>                    | 123            |
| Designated representative  |    | 1.4%                            | 5              |
| Volunteer (e.g., Student Biotech Expo Advisor/Judge, NWABR Planning Committee Member, Speakers Bureau) |    | 25.8%                           | 93             |
| Educator   |  | 31.6%                           | 114            |
| Contributor/Donor  |  | 7.5%                            | 27             |
| Other (please specify)   |  | 11.6%                           | 42             |
|  |   | <b><i>answered question</i></b> | <b>361</b>     |
|  |   | <b><i>skipped question</i></b>  | <b>89</b>      |