Research Fairness and Research Intergrity: A cross-sectional surevy

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Table of Contents

# Prevalence of responsible research practices and Fair research practices

We used a cutoff score of 70 in both cases since the maximum score is 140 in both cases.

| Variable | N | Prefer not to disclose, N = 91 | Researcher from the Global North, N = 541 | Researcher from the Global South, N = 821 |
| --- | --- | --- | --- | --- |
| **responsible research Practices score** | 126 |  |  |  |
| Pass |  | 7 (100%) | 48 (96%) | 64 (93%) |
| Fail |  | 0 (0%) | 2 (4.0%) | 5 (7.2%) |
| **fair research practices score** | 116 |  |  |  |
| Pass |  | 5 (83%) | 43 (93%) | 60 (94%) |
| Fail |  | 1 (17%) | 3 (6.5%) | 4 (6.2%) |
| 1n (%) | | | | |

# Demographics

| Variable | N | Prefer not to disclose, N = 91 | Researcher from the Global North, N = 541 | Researcher from the Global South, N = 821 |
| --- | --- | --- | --- | --- |
| **Which country are you from?** | 118 |  |  |  |
| East Asia and Pacific |  | 2 (33%) | 3 (6.4%) | 10 (15%) |
| Europe and Central Asia |  | 1 (17%) | 29 (62%) | 2 (3.1%) |
| Middle East and North Africa |  | 0 (0%) | 0 (0%) | 1 (1.5%) |
| North America |  | 0 (0%) | 10 (21%) | 2 (3.1%) |
| Prefer Not To Disclose |  | 1 (17%) | 0 (0%) | 1 (1.5%) |
| South Asia |  | 1 (17%) | 1 (2.1%) | 13 (20%) |
| Sub-Saharan Africa |  | 1 (17%) | 4 (8.5%) | 36 (55%) |
| **What discipline of global health based describes you:** | 116 |  |  |  |
| Biology/Medicine |  | 1 (17%) | 13 (28%) | 18 (28%) |
| Biostatistics/Epidemiology |  | 2 (33%) | 17 (37%) | 22 (34%) |
| Mathematics/Computer science |  | 0 (0%) | 1 (2.2%) | 0 (0%) |
| Other (please specify) |  | 0 (0%) | 8 (17%) | 15 (23%) |
| Political sciences/Health economics |  | 0 (0%) | 2 (4.3%) | 5 (7.8%) |
| Prefer not to disclose |  | 3 (50%) | 1 (2.2%) | 1 (1.6%) |
| Sociology/Anthropology |  | 0 (0%) | 4 (8.7%) | 3 (4.7%) |
| **What is you gender?** | 117 |  |  |  |
| Female |  | 2 (33%) | 26 (57%) | 28 (43%) |
| Male |  | 3 (50%) | 19 (41%) | 37 (57%) |
| Prefer not to disclose |  | 1 (17%) | 1 (2.2%) | 0 (0%) |
| **How many years of involvement in research do you have?** | 117 |  |  |  |
| Early Career (< 3 years post-education) |  | 1 (17%) | 3 (6.4%) | 7 (11%) |
| Established (>10 years post-education) |  | 1 (17%) | 35 (74%) | 29 (45%) |
| Mid-career (3-10 years post-education) |  | 1 (17%) | 8 (17%) | 27 (42%) |
| Prefer not to disclose |  | 3 (50%) | 1 (2.1%) | 1 (1.6%) |
| **What is your highest academic rank?** | 118 |  |  |  |
| Associate Professor or Full Professor |  | 0 (0%) | 20 (43%) | 13 (20%) |
| Bachelor or Master degree |  | 3 (50%) | 5 (11%) | 21 (32%) |
| Other (please specify) |  | 0 (0%) | 1 (2.1%) | 2 (3.1%) |
| PhD degree |  | 2 (33%) | 9 (19%) | 23 (35%) |
| Postdoc or Assistant Professor |  | 0 (0%) | 11 (23%) | 5 (7.7%) |
| Prefer not to disclose |  | 1 (17%) | 1 (2.1%) | 1 (1.5%) |
| 1n (%) | | | | |

# Responsible research practices and fair research practices by the question which of the following best describes you?

| Variable | N | Prefer not to disclose, N = 91 | Researcher from the Global North, N = 541 | Researcher from the Global South, N = 821 |
| --- | --- | --- | --- | --- |
| **rpq1** | 116 | 6.33 (1.63) | 6.45 (1.61) | 6.43 (1.62) |
| **rpq2** | 80 | 5.40 (2.51) | 5.81 (1.94) | 5.86 (2.12) |
| **rpq3** | 118 | 6.86 (0.38) | 6.11 (1.20) | 6.02 (1.90) |
| **rpq4** | 121 | 6.43 (0.79) | 6.00 (1.13) | 6.15 (1.53) |
| **rpq5** | 123 | 6.43 (1.13) | 5.49 (1.32) | 6.10 (1.46) |
| **rpq6** | 110 | 5.29 (2.36) | 6.16 (0.82) | 6.00 (1.69) |
| **rpq7** | 120 | 6.57 (0.79) | 6.19 (1.01) | 6.42 (1.07) |
| **rpq8** | 118 | 6.71 (0.49) | 6.46 (0.77) | 6.27 (1.35) |
| **rpq9** | 100 | 3.71 (2.63) | 5.09 (2.08) | 4.57 (2.46) |
| **rpq10** | 119 | 6.43 (0.53) | 5.36 (1.48) | 5.62 (1.64) |
| **rpq11** | 119 | 6.71 (0.49) | 6.72 (0.68) | 6.71 (0.63) |
| **rpq12** | 120 | 6.00 (2.24) | 6.56 (0.74) | 6.42 (1.38) |
| **rpq13** | 119 | 4.57 (2.23) | 5.71 (1.25) | 5.77 (1.66) |
| **rpq14** | 120 | 5.57 (2.30) | 6.85 (0.36) | 6.57 (1.31) |
| **rpq15** | 95 | 6.83 (0.41) | 6.03 (1.36) | 5.84 (1.87) |
| **rpq16** | 109 | 4.14 (2.12) | 4.61 (1.88) | 4.90 (2.21) |
| **rpq17** | 83 | 2.67 (1.63) | 4.23 (1.92) | 3.94 (2.30) |
| **rpq18** | 114 | 6.14 (0.90) | 5.80 (1.34) | 5.73 (1.84) |
| **rpq19** | 117 | 6.14 (1.07) | 5.77 (1.43) | 5.89 (1.70) |
| **rpq20** | 116 | 5.86 (2.19) | 6.62 (0.71) | 6.44 (1.21) |
| **fpq1** | 108 | 6.20 (1.10) | 4.61 (1.74) | 6.08 (1.39) |
| **fpq2** | 109 | 5.40 (1.52) | 5.05 (1.56) | 5.56 (1.78) |
| **fpq3** | 106 | 4.20 (2.95) | 5.74 (1.56) | 5.88 (1.53) |
| **fpq4** | 114 | 6.00 (2.45) | 6.00 (1.45) | 6.16 (1.39) |
| **fpq5** | 110 | 5.50 (2.07) | 6.00 (1.31) | 6.18 (1.40) |
| **fpq6** | 114 | 6.00 (2.45) | 6.11 (1.13) | 6.29 (1.31) |
| **fpq7** | 112 | 5.00 (2.10) | 5.56 (1.16) | 6.11 (1.35) |
| **fpq8** | 113 | 6.00 (2.45) | 6.67 (0.78) | 6.66 (1.24) |
| **fpq9** | 97 | 6.17 (2.04) | 6.65 (0.82) | 6.43 (1.51) |
| **fpq10** | 107 | 6.40 (0.55) | 6.19 (1.42) | 6.15 (1.41) |
| **fpq11** | 105 | 5.33 (1.97) | 5.87 (1.60) | 6.20 (1.34) |
| **fpq12** | 113 | 7.00 (0.00) | 6.64 (0.89) | 6.43 (1.38) |
| **fpq13** | 111 | 6.83 (0.41) | 5.78 (1.39) | 6.20 (1.40) |
| **fpq14** | 103 | 3.75 (2.50) | 4.38 (1.58) | 4.78 (1.92) |
| **fpq15** | 104 | 4.00 (2.45) | 4.36 (1.61) | 4.46 (1.95) |
| **fpq16** | 102 | 3.75 (2.63) | 4.89 (1.61) | 4.42 (1.96) |
| **fpq17** | 104 | 4.60 (2.30) | 4.32 (1.62) | 4.27 (2.07) |
| **fpq18** | 114 | 5.50 (2.35) | 6.39 (0.80) | 6.24 (1.43) |
| **fpq19** | 113 | 5.17 (2.32) | 5.95 (1.26) | 6.13 (1.52) |
| **fpq20** | 97 | 4.20 (2.28) | 4.18 (1.91) | 4.98 (2.11) |
| **responsible research Practices score** | 126 | 111 (17) | 104 (24) | 106 (26) |
| **fair research practices score** | 116 | 98 (23) | 101 (22) | 110 (22) |
| 1Mean (SD) | | | | |

# Responsible research practices and fair research practices by location (Global North or South)

In this analysis, I have removed those who chose the option prefer not to say

| Variable | N | Global South, N = 821 | Global North, N = 541 | p-value2 |
| --- | --- | --- | --- | --- |
| **rpq1** | 110 | 6.43 (1.62) | 6.45 (1.61) | 0.8 |
| **rpq2** | 75 | 5.86 (2.12) | 5.81 (1.94) | 0.7 |
| **rpq3** | 111 | 6.02 (1.90) | 6.11 (1.20) | 0.12 |
| **rpq4** | 114 | 6.15 (1.53) | 6.00 (1.13) | 0.040 |
| **rpq5** | 116 | 6.10 (1.46) | 5.49 (1.32) | 0.002 |
| **rpq6** | 103 | 6.00 (1.69) | 6.16 (0.82) | 0.2 |
| **rpq7** | 113 | 6.42 (1.07) | 6.19 (1.01) | 0.10 |
| **rpq8** | 111 | 6.27 (1.35) | 6.46 (0.77) | 0.9 |
| **rpq9** | 93 | 4.57 (2.46) | 5.09 (2.08) | 0.5 |
| **rpq10** | 112 | 5.62 (1.64) | 5.36 (1.48) | 0.2 |
| **rpq11** | 112 | 6.71 (0.63) | 6.72 (0.68) | 0.9 |
| **rpq12** | 113 | 6.42 (1.38) | 6.56 (0.74) | 0.6 |
| **rpq13** | 112 | 5.77 (1.66) | 5.71 (1.25) | 0.4 |
| **rpq14** | 113 | 6.57 (1.31) | 6.85 (0.36) | 0.6 |
| **rpq15** | 89 | 5.84 (1.87) | 6.03 (1.36) | >0.9 |
| **rpq16** | 102 | 4.90 (2.21) | 4.61 (1.88) | 0.3 |
| **rpq17** | 77 | 3.94 (2.30) | 4.23 (1.92) | 0.6 |
| **rpq18** | 107 | 5.73 (1.84) | 5.80 (1.34) | 0.4 |
| **rpq19** | 110 | 5.89 (1.70) | 5.77 (1.43) | 0.2 |
| **rpq20** | 109 | 6.44 (1.21) | 6.62 (0.71) | 0.7 |
| **fpq1** | 103 | 6.08 (1.39) | 4.61 (1.74) | <0.001 |
| **fpq2** | 104 | 5.56 (1.78) | 5.05 (1.56) | 0.032 |
| **fpq3** | 101 | 5.88 (1.53) | 5.74 (1.56) | 0.6 |
| **fpq4** | 108 | 6.16 (1.39) | 6.00 (1.45) | 0.4 |
| **fpq5** | 104 | 6.18 (1.40) | 6.00 (1.31) | 0.2 |
| **fpq6** | 108 | 6.29 (1.31) | 6.11 (1.13) | 0.15 |
| **fpq7** | 106 | 6.11 (1.35) | 5.56 (1.16) | 0.003 |
| **fpq8** | 107 | 6.66 (1.24) | 6.67 (0.78) | 0.2 |
| **fpq9** | 91 | 6.43 (1.51) | 6.65 (0.82) | 0.9 |
| **fpq10** | 102 | 6.15 (1.41) | 6.19 (1.42) | 0.8 |
| **fpq11** | 99 | 6.20 (1.34) | 5.87 (1.60) | 0.3 |
| **fpq12** | 107 | 6.43 (1.38) | 6.64 (0.89) | 0.8 |
| **fpq13** | 105 | 6.20 (1.40) | 5.78 (1.39) | 0.045 |
| **fpq14** | 99 | 4.78 (1.92) | 4.38 (1.58) | 0.2 |
| **fpq15** | 100 | 4.46 (1.95) | 4.36 (1.61) | 0.6 |
| **fpq16** | 98 | 4.42 (1.96) | 4.89 (1.61) | 0.3 |
| **fpq17** | 99 | 4.27 (2.07) | 4.32 (1.62) | 0.9 |
| **fpq18** | 108 | 6.24 (1.43) | 6.39 (0.80) | 0.6 |
| **fpq19** | 107 | 6.13 (1.52) | 5.95 (1.26) | 0.093 |
| **fpq20** | 92 | 4.98 (2.11) | 4.18 (1.91) | 0.037 |
| **responsible research Practices score** | 119 | 106 (26) | 104 (24) | 0.4 |
| **fair research practices score** | 110 | 110 (22) | 101 (22) | 0.010 |
| 1Mean (SD) | | | | |
| 2Wilcoxon rank sum test | | | | |